UD COMPONENT SYSTEM/COMPACT HI-FI SYSTEM

RXD-F4

SERVICE MANUAL

(UD-303/403/413/433/523/533)

KENWOOD

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B51-5091-00 (K) 4180

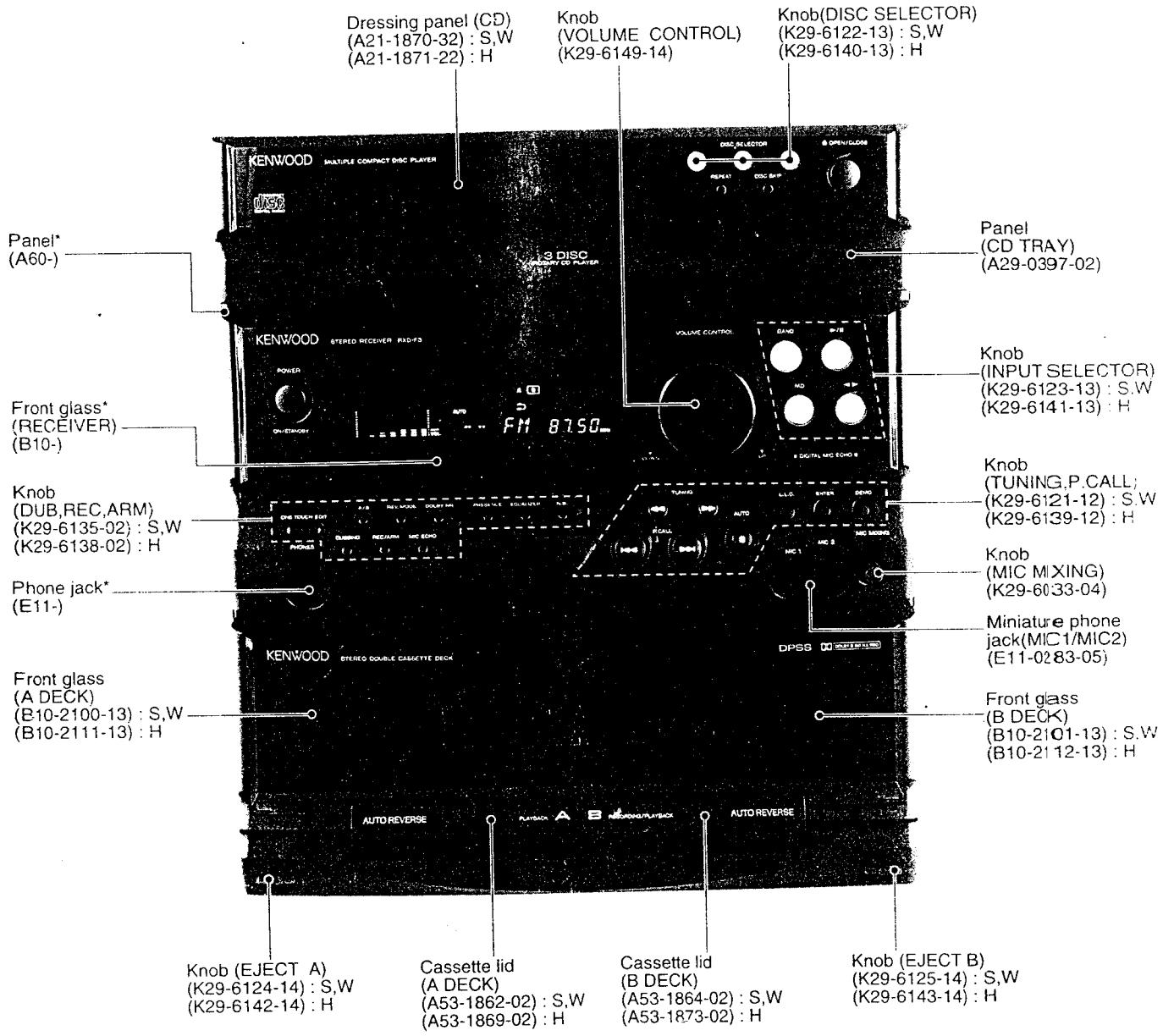

Photo is RXD-F3 M type. (It's like RXD-F41)

S:SINGAPORE made

W:MALAYSIA made

H:HUIZHOU made

***Refer to parts list on page 79.**

In compliance with Federal Regulations, following are reproductions of labels on, or inside the product relating to laser product safety.

KENWOOD-Corp. certifies this equipment conforms to DHHS Regulations No. 21 CFR 1040. 10, Chapter 1, Subchapter J.

DANGER : Laser radiation when open and interlock defeated. AVOID DIRECT EXPOSURE TO BEAM.

PRECAUTIONS FOR REPAIR

● For the operation of the CD and the cassette (A or B deck) mechanism,see Service Manual(B51-4869-00) of RXD-C3/C3L.

RXD-F3/F4/F41/F42

SPECIFICATIONS

Amplifier section

Rated power output

54 watts per channel minimum RMS. both channels driven, at 6Ω, 1 kHz with no more than 10 % total harmonic distortion.

Input sensitivity / Impedance
- AUX 200mV/47kΩ
- MIC 2.4mV/2.2kΩ

Signal to noise ratio
- AUX .....86dB(IHF'66)

FM tuner section

Tuning frequency range .....87.5MHz ~ 108MHz
Sensitivity (IHF) .....13.2dBf(1.2μV at 75Ω)

AM Tuner section

Tuning frequency range
- 9kHz step .....531kHz ~ 1,602kHz
- 10kHz step .....530kHz ~ 1,610kHz

Usable sensitivity .....12μV/(500μV/m)

Cassette deck section

Track .....4-track, 2-channel stereo
Recording system.....AC bias system
(Frequency: 105 khz)

Heads
- A deck Playback head.....1
- B deck Playback /recording head 1
- Erasing head.....1

Motors 1
Fast winding time.....Approx. 120 seconds
(C-60 tape)

CD player section

Laser .....Semiconductor laser
Playing rotation .....200 rpm ~ 500 rpm (CLV)
Wow & Flutter.....Unmeasurable Limit

General

Power consumption .....150 W
Dimensions .....W : 270mm
H : 305mm
D : 341mm
Weight (net) 8kg

Note:
Component and circuity are subject to modification to insure best operation under differing local conditions. This manual is based on the U.S.A. (K) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

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RXD-F3/F4/F41/F42

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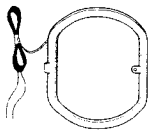
SPECIFICATIONS .....Back cover

IC description, refer to circuit description of the service manual.

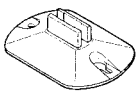
PCB No.	Ref. No.	IC Parts No.	Function	Service manual	On page
X09	IC302	**LC7218**	PLL, IF COUNT	**T-7J**	P15
X28	IC4	**UPC1297CA**	HX-PRO	**KX-1100EX**	P12
X32	IC1	**CXA1782BQ**	RF/SERVO	**DP-ME9**	P9

Accessories

AM loop antenna .....(1)
(T90-0195-05)

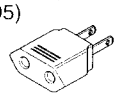


Loop antenna stand (1)
(J19-3645-05)

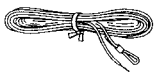


Antenna Adaptor.....(1)
(For U.K. and Europe)
(T90-0198-05)or
(T90-0801-05)

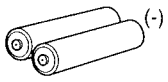
AC plug adaptor.....(1)
(Except for the U.S.A., Canada,Mexico,Europe, U.K. and Australia)
(E03-0115-05)



FM indoor antenna .....(1)
(T90-0182-15)



Batteries (R6/AA).....(2)



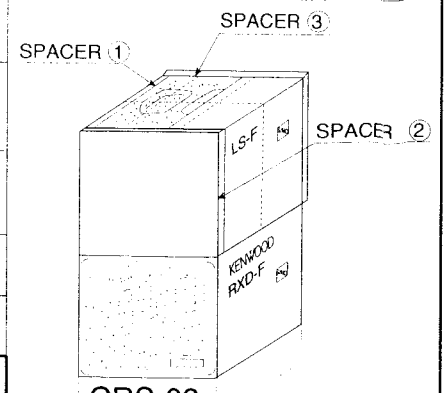
Remote control unit .....(1)
(A70-1020-05) : RC-F3 (RXD-F3/F41/F42)
(A70-1018-05) : RC-F4 (RXD-F4)

(BATTERY COVER : A09-0170-08)

For the unit with a European AC plug in areas other than Europe.
Refer to **LS-F41** of service manual (B51-5063-00) about them.

System configuration

SYSTEM NAME	MAIN UNIT	SPEAKERS	OVER CARTON		SPACER	
UD-303	RXD-F3/L	LS-F3	(K) H60-0320-04	(P,R) H60-0319-04	(K) ①H12-2247-04 ②H12-2248-04	(P,R) ①H12-2241-04 ②H12-2243-04
(K,P,R,M,Y,X) UD-403	RXD-F4	LS-F3 (K)addition CRS-03	(K) H60-0338-04	(P,R,M,Y,X) H60-0337-04	(K) ①H12-2246-04 ③H12-2248-04	(P,R) ①H12-2241-04 ②H12-2243-04
(E,T,G) UD-403	RXD-F4/L	LS-F4				
UD-413	RXD-F41	LS-F41	(K) H60-0341-04	(P,R) H60-0340-04	(K,P,R) ①H12-2257-04 ②H12-2256-04	
UD-433	RXD-F3	LS-F3	(M,Y,X) H60-0346-04		(M,Y,X) ①H12-2241-04 ②H12-2243-04	
UD-523	RXD-F42	LS-F4	(M) H60-0318-04		①H12-2244-04	
UD-533	RXD-F4	LS-F4	(M,Y,X) H60-0345-04		①H12-2244-04	



CRS-03

EXTERNAL VIEW / CAUTION

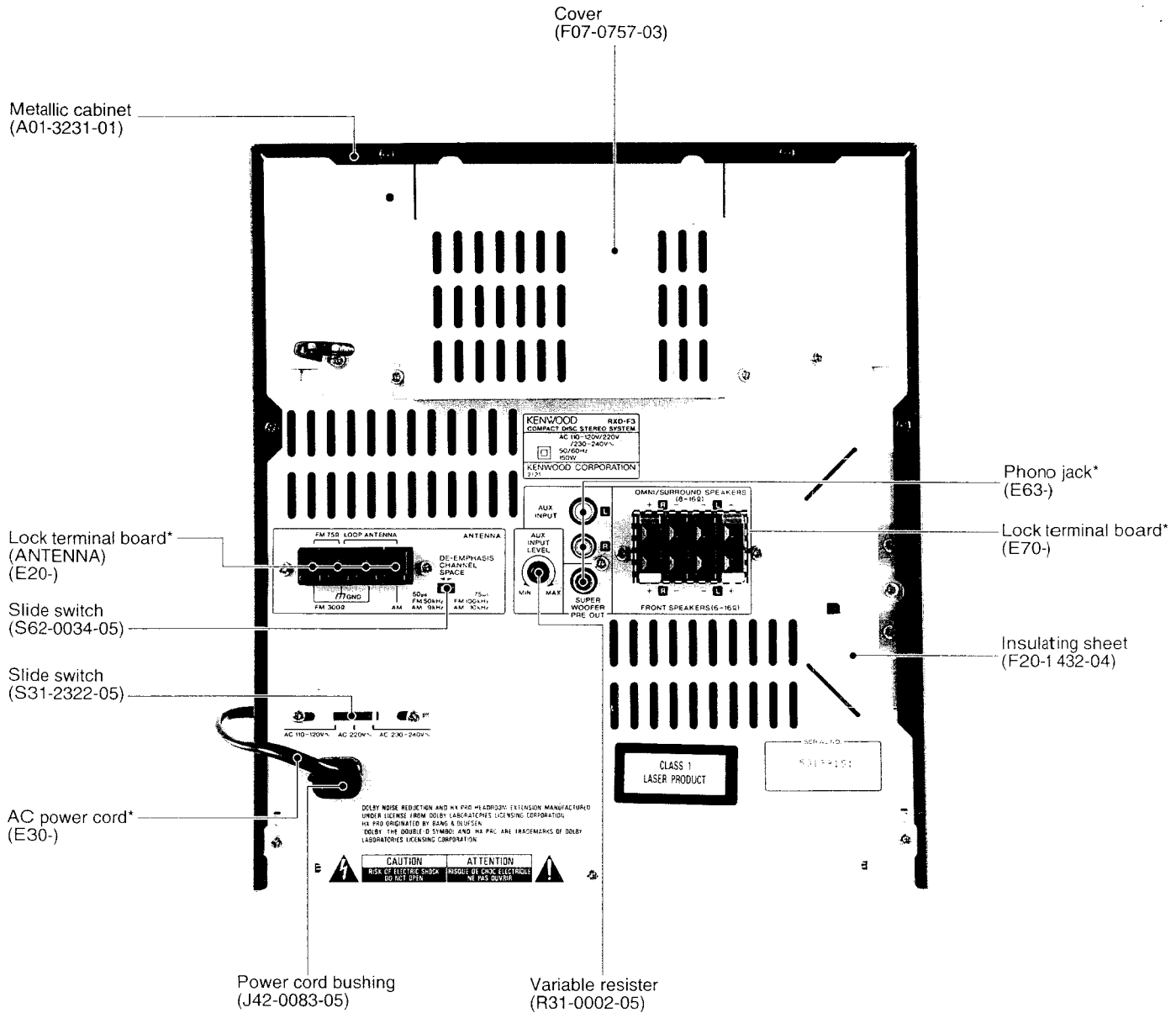


Photo is RXD-F3 M type(It's like RXD-F41)

***Refer to parts list on page 79.**

Caution

Beware of condensation

When water vapor comes into contact with the surface of cold material, water drops are produced. If condensation occurs, correct operation may not be possible, or the unit may not function correctly. This is not a malfunction, however, and the unit should be dried. (To do this, turn the POWER switch ON and leave the unit for several hours.)

Be especially careful in the following conditions:

- When the unit is brought from a cold place to a warm place, and there is a large temperature difference.
- When a heater starts operating.
- When the unit is brought from an air-conditioned place to a place of high temperature with high humidity.
- When there is a large difference between the internal temperature of the unit and the ambient temperature, or in conditions where condensation occurs easily.

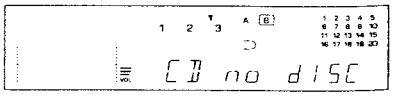
Note related to transportation and movement (CD player)

Before transporting or moving this unit, carry out the following operations.

1. Turn the power ON but do not load a disc.

●Press the **CD(►/II)** key to check that no disc is present on the tray.

2. Wait a few seconds and verify that the display shows appears.

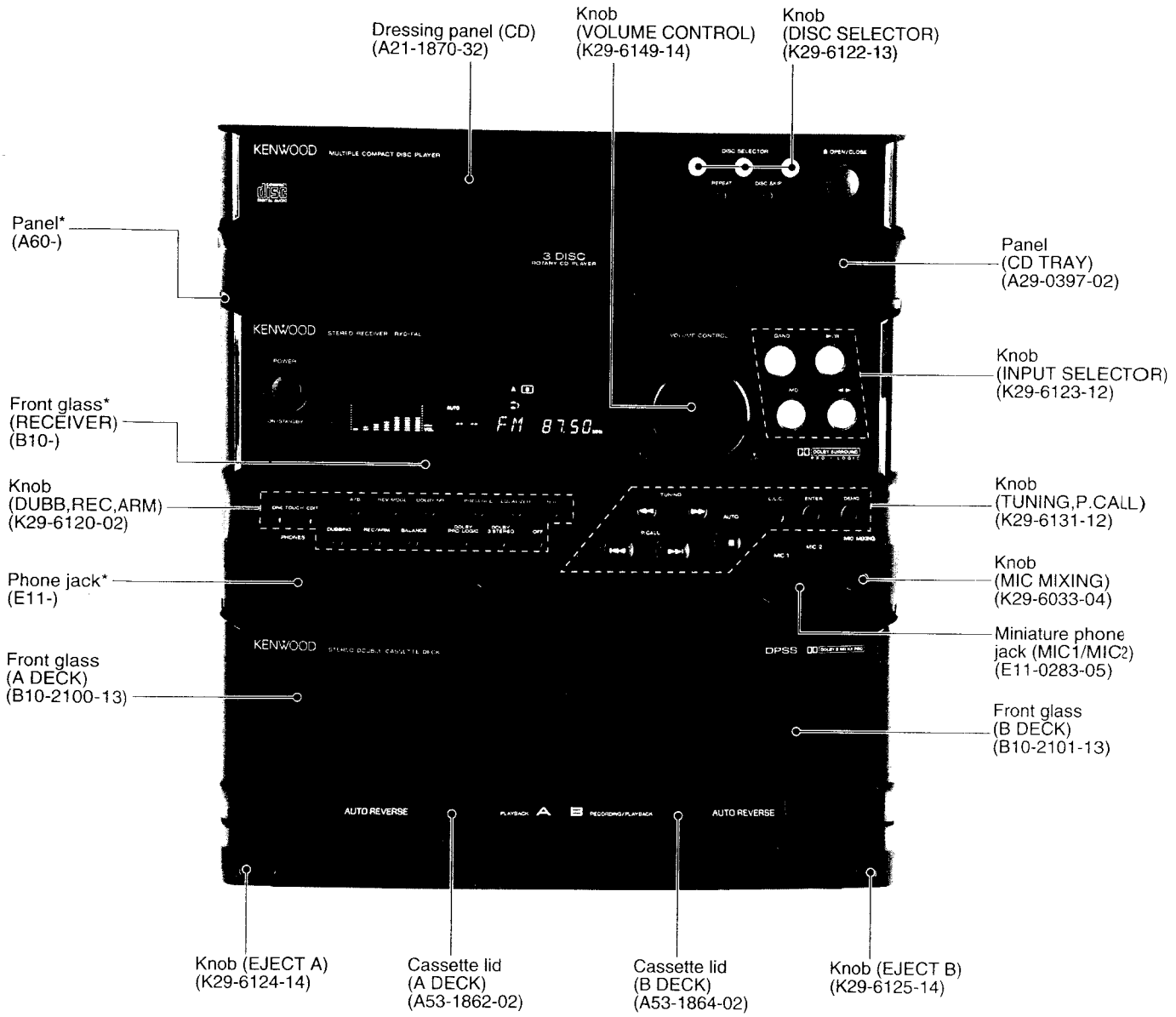


3. Turn the power OFF.

RXD-F3/F4/F41/F42

EXTERNAL VIEW / INSTRUCTION MANUAL

Photo is RXD-F4L (It's like RXD-F42)



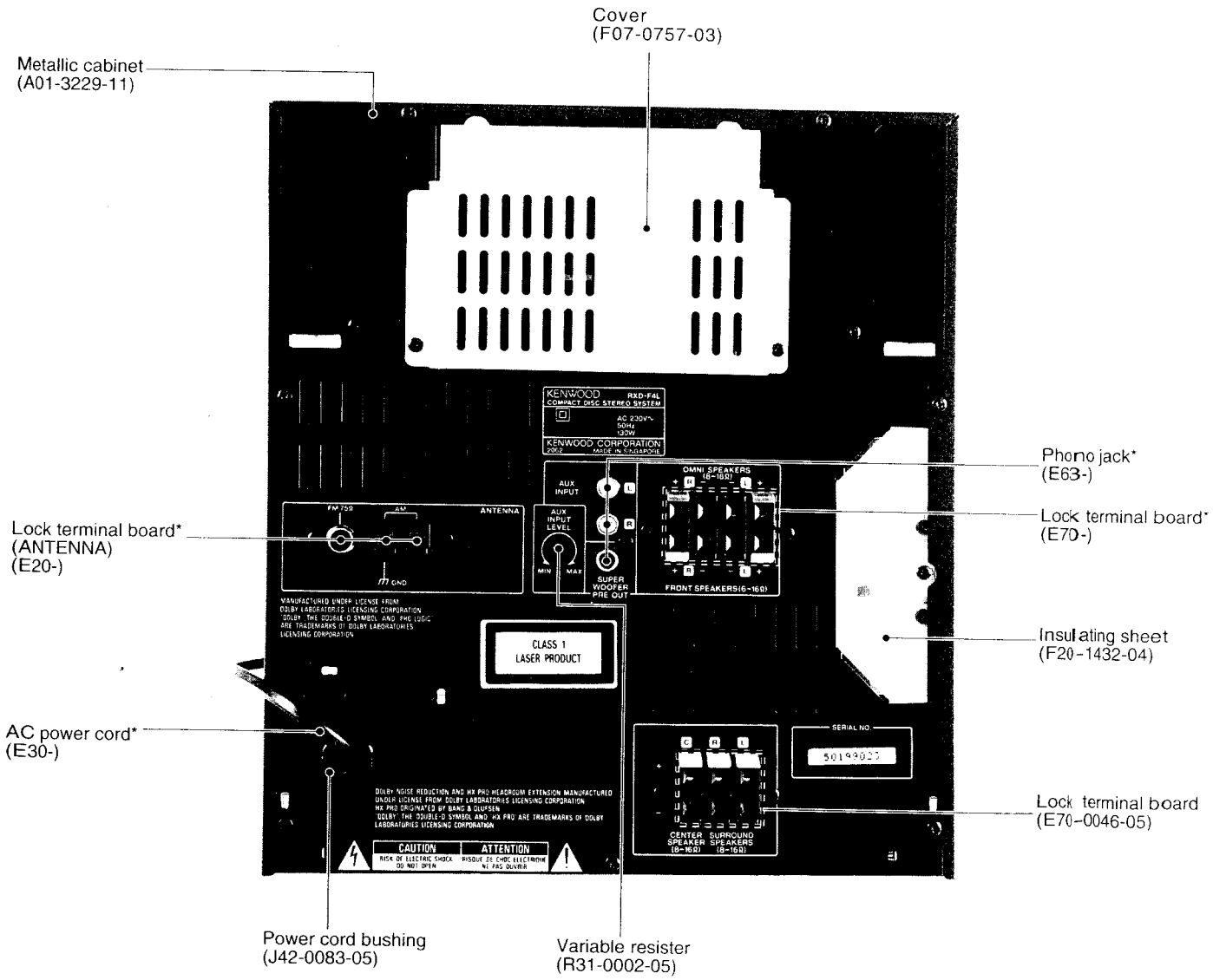
Instruction Manual

Language	System	Parts No.	Destination
ENGLISH	UD-303	B60-2170-00	T
	UD-303	B60-2171-00	KRP
	UD-433	B60-2255-00	MXI
	UD-403	B60-2145-00	KT
	UD-533	B60-2251-00	YMX
	UD-403	B60-2334-00	KRP
	UD-413	B60-2179-00	KRP
	UD-523	B60-2144-00	MI
FRENCH	UD-303	B60-2172-00	PE
	UD-403	B60-2146-00	E
	UD-403	B60-2335-00	P
	UD-413	B60-2180-00	P
GERMANY	UD-303	B60-2173-00	EG
	UD-403	B60-2147-00	EG

Language	System	Parts No.	Destination
DUTCH	UD-303	B60-2174-00	E
	UD-403	B60-2148-00	E
ITALYAN	UD-303	B60-2175-00	E
	UD-403	B60-2149-00	E
SPANISH	UD-303	B60-2176-00	RE
	UD-433	B60-2256-00	M
	UD-403	B60-2151-00	E
	UD-533	B60-2252-00	M
	UD-403	B60-2336-00	R
	UD-413	B60-2181-00	R
CHINESES	UD-433	B60-2177-10	MI
	UD-523	B60-2152-10	MI
TIWANESE	UD-433	B60-2178-10	M
	UD-523	B60-2153-10	M

EXTERNAL VIEW

Photo is RXD-F4L (It's like RXD-F42 Except ANTENNA terminal)

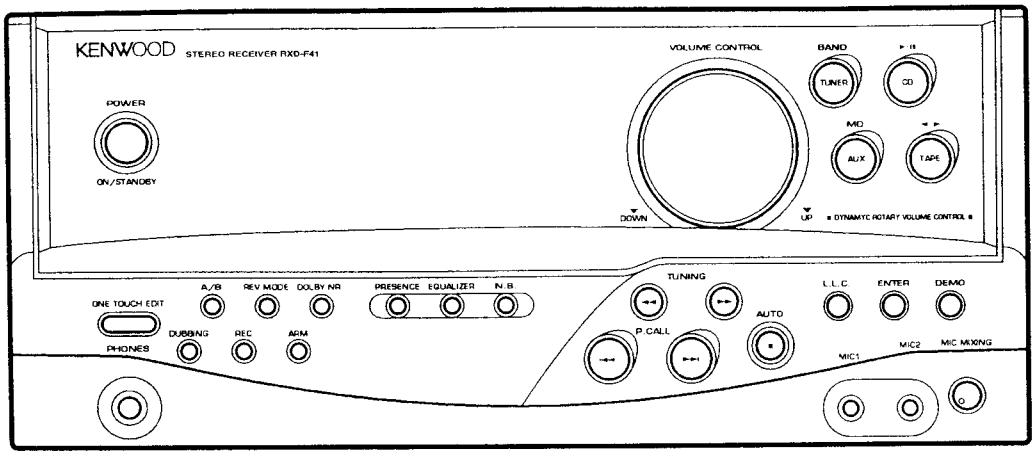


RXD-F3/F4/F41/F42

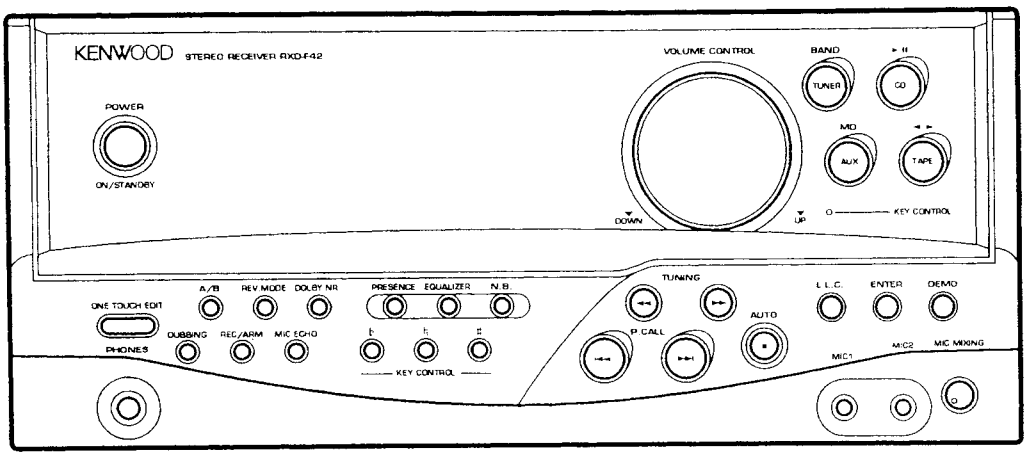
EXTERNAL VIEW / REMOTE CONTROL

Front panel difference point

[RXD-F41]

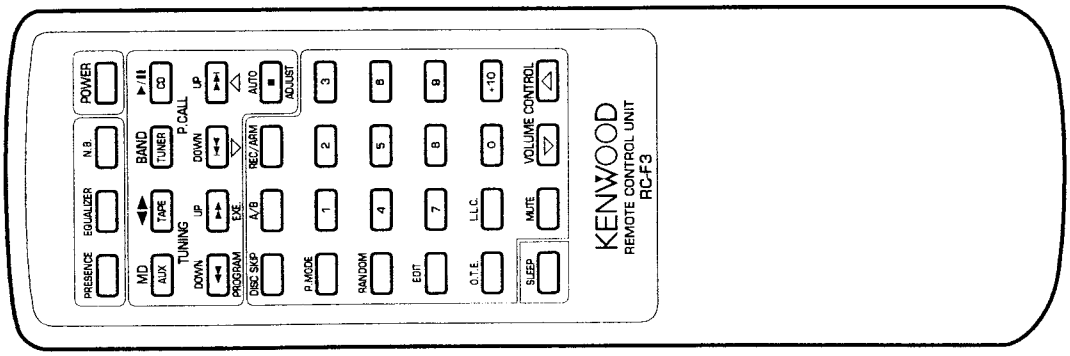


[RXD-F42]

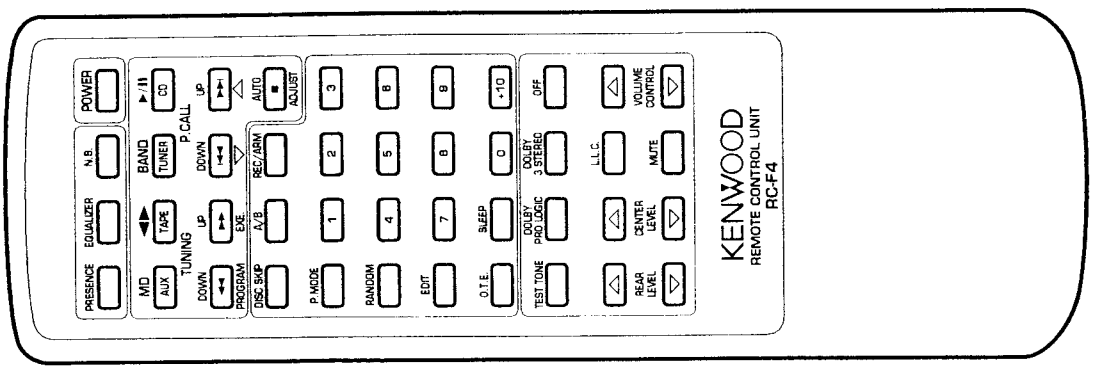


Remote control unit

[RXD-F3/F3L/F41/F42]



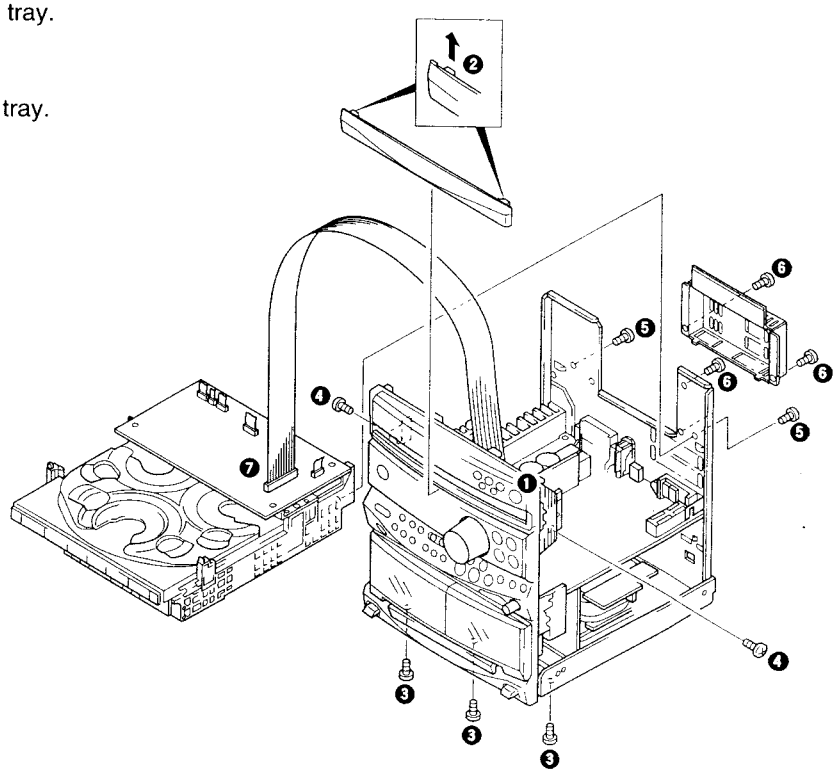
[RXD-F4]



DISASSEMBLY FOR REPAIR

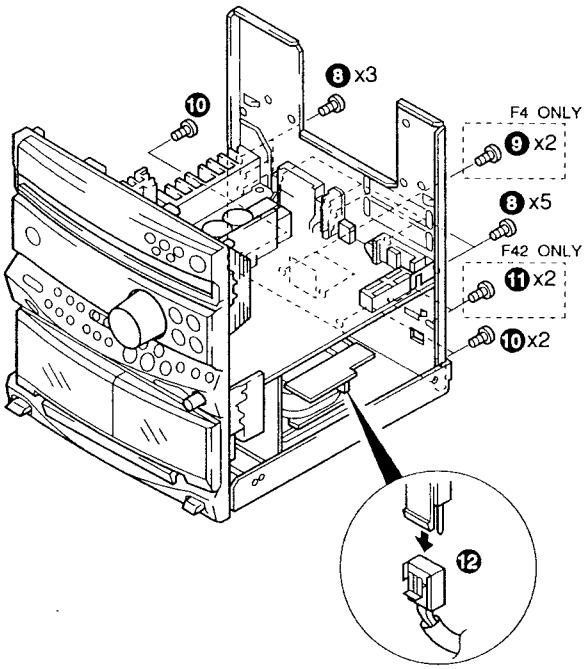
[Remove the CD player]

1. Push the OPEN/CLOSE key(❶), then open the CD tray.
2. Lift the left and right sides(❷) of the CD player front cover upward and remove it.
3. Push the OPEN/CLOSE key(❶) then close the CD tray.
4. Remove the 3 screws(❸) of the bottom.
5. Remove the 9 screws(❹ ~ ❻), then remove the CD mechanism(❼).

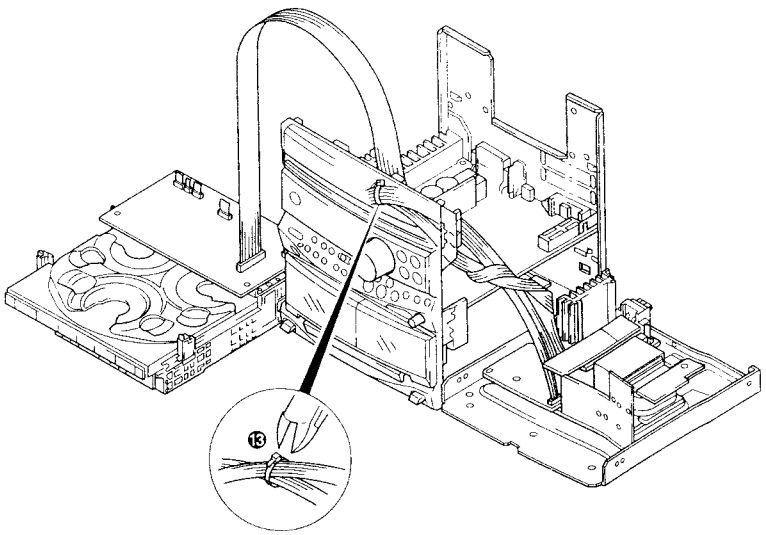


[Remove the chassis]

1. Remove the 15 screws(❽~⓫) and the connector (X09, CN7) (⓬) of RXD-F42



2. Cut the lead wire(⓭), then remove the chassis.



RXD-F3/F4/F41/F42

DISASSEMBLY FOR REPAIR

[CD mechanism section]

1) How to detach the tray

1. From the rear side of the CD mechanism, use a screw driver or the like to turn the friction arm (❶) fully counterclockwise.
2. Remove the two bracket attachment screws(❷).
3. Remove the tray in the arrow direction(❹).

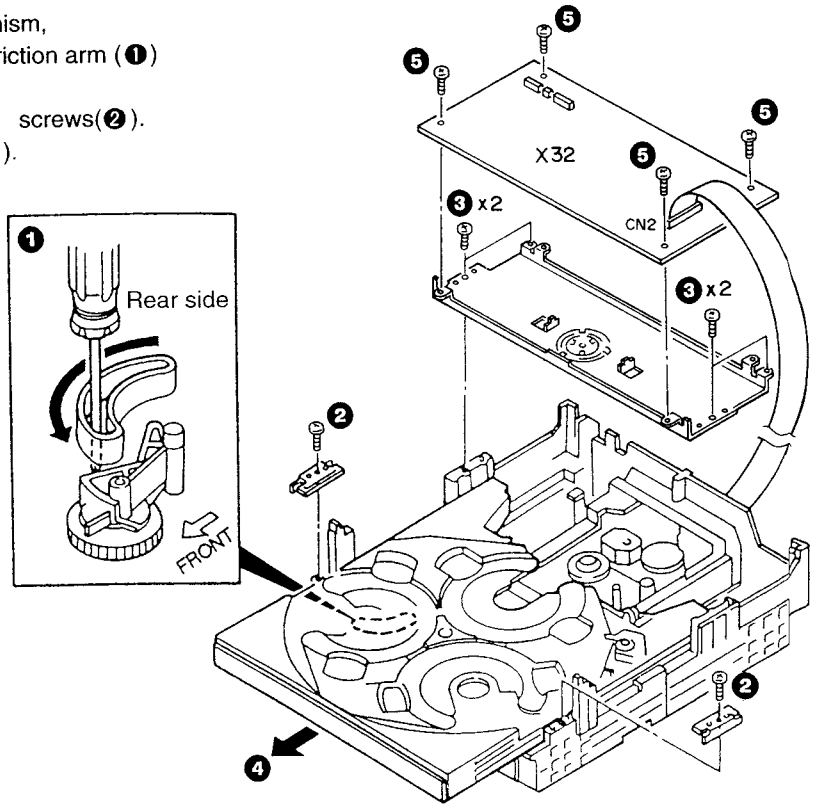


FIG. 1

2) How to attach the tray

1. Check to make sure the rollers on each side (two rollers) have not come off. Move the friction gear by hand in the direction of arrow(❶), align the groove on the rear side of the slide tray with the friction gear shaft and insert the slide tray.
2. Align the grooves on both sides of the slide tray with the main chassis' guides(❷) and insert the slide tray as far back as it will go.
3. Attach the brackets on both sides(two brackets).

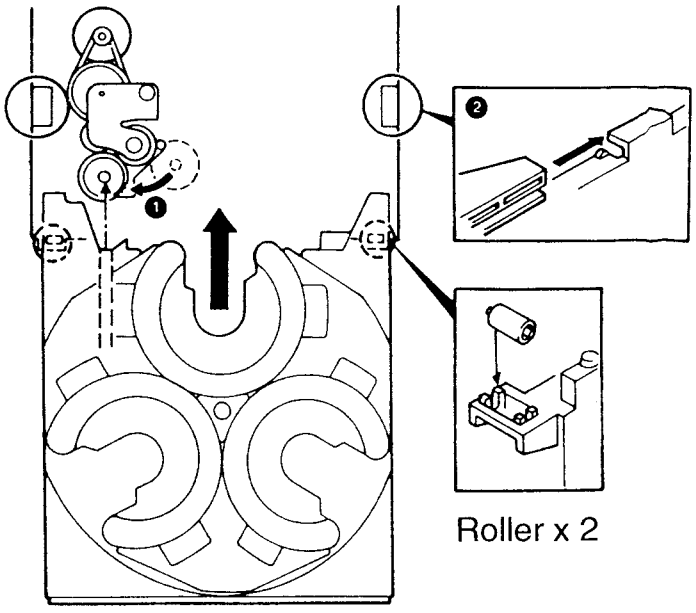


FIG. 2

DISASSEMBLY FOR REPAIR

3) Replacing the pickup

1. Remove the two clamp bracket attachment screws.(Fig.1 ❸).
2. Remove the four screws affixing the lift slider and lift out the lift slider and traverse unit.

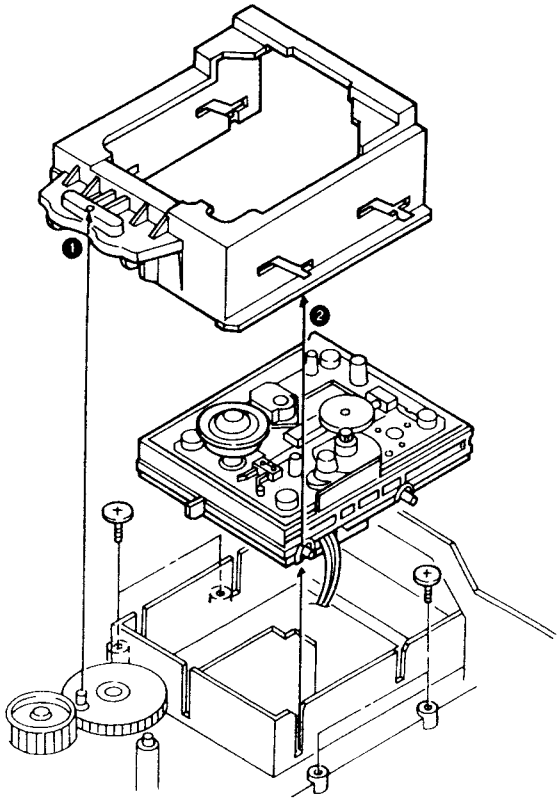


FIG. 3

3. Short the short land.
4. Remove the connector of the flat cable.
5. Remove the gear.
6. Remove the shaft.

※ When reassembling, always be sure to align the cam gear and traverse shaft as shown in ❶ and ❷ of Fig ❸. Then remove a tool of the short land.

Note : Don't separate pickup PC board from pickup.

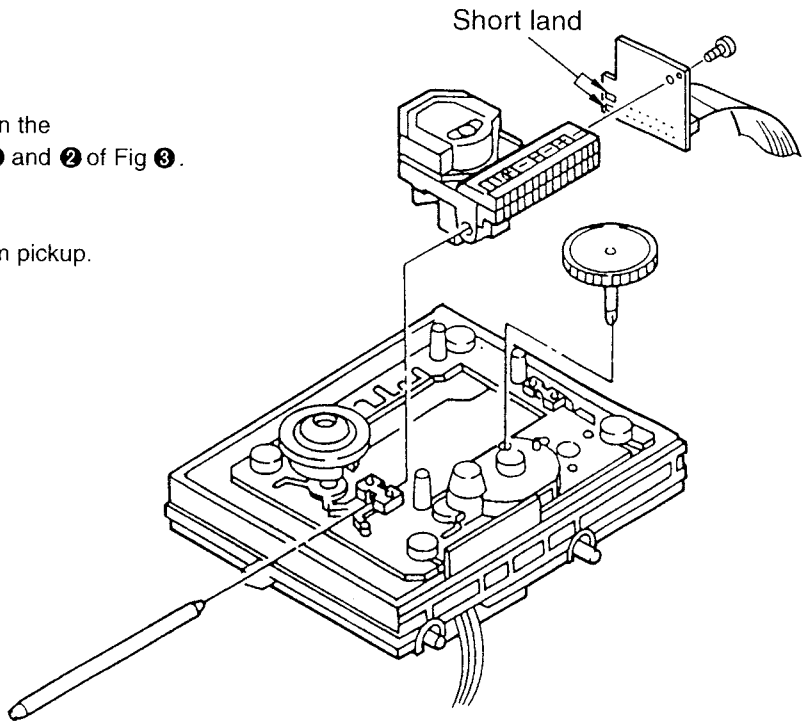


FIG. 4

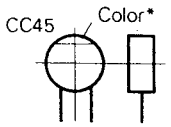
RXD-F3/F4/F41/F42

PARTS DESCRIPTION

CAPACITORS

CC 45 TH 1H 220 J
1 2 3 4 5 6

1 = Type ... ceramic, electrolytic, etc.
2 = Shape ... round, square, ect.
3 = Temp. coefficient
4 = Voltage rating
5 = Value
6 = Tolerance



• Capacitor value

010 = 1pF
100 = 10pF
101 = 100pF
102 = 1000pF = 0.001μF
103 = 0.01μF

2 2 0 = 22pF
Multiplier
2nd number
1st number

• Temperature coefficient

1st Word	C	L	P	R	S	T	U
Color*	Black	Red	Orange	Yellow	Green	Blue	Violet
ppm/°C	0	-80	-150	-220	-330	-470	-750

2nd Word	G	H	J	K	L
ppm/°C	±30	±60	±120	±250	±500

Example : CC45TH = -470 ± 60ppm/°C

• Tolerance (More than 10pF)

Code	C	D	G	J	K	M	X	Z	P	No code
(%)	±0.25	±0.5	±2	±5	±10	±20	+40 -20	+80 -20	+100 -0	More than 10μF -10 ~ +50 Less than 4.7μF -10 ~ +75

(Less than 10pF)

Code	B	C	D	F	G
(pF)	±0.1	±0.25	±0.5	±1	±2

• Voltage rating

1st word \ 2nd word	A	B	C	D	E	F	G	H	J	K	V
0	1.0	1.25	1.6	2.0	2.5	3.15	4.0	5.0	6.3	8.0	-
1	10	12.5	16	20	25	31.5	40	50	63	80	35
2	100	125	160	200	250	315	400	500	630	800	-
3	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	-

• Chip capacitors

(EX) C C 7 3 F S L 1 H 0 0 0 J
1 2 3 4 5 6 7
(Chip) (CH, RH, UJ, SL)

(EX) C K 7 3 F F 1 H 0 0 0 Z
1 2 3 4 5 6 7
(Chip) (B, F)

Refer to the table above.
1 = Type
2 = Shape
3 = Dimension
4 = Temp. coefficient
5 = Voltage rating
6 = Value
7 = Tolerance

Dimension (Chip capacitors)

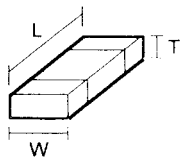
Dimension code	L	W	T
Empty	5.6 ± 0.5	5.0 ± 0.5	Less than 2.0
A	4.5 ± 0.5	3.2 ± 0.4	Less than 2.0
B	4.5 ± 0.5	2.0 ± 0.3	Less than 2.0
C	4.5 ± 0.5	1.25 ± 0.2	Less than 1.25
D	3.2 ± 0.4	2.5 ± 0.3	Less than 1.5
E	3.2 ± 0.2	1.6 ± 0.2	Less than 1.25
F	2.0 ± 0.3	1.25 ± 0.2	Less than 1.25
G	1.6 ± 0.2	0.8 ± 0.2	Less than 1.0

RESISTORS

• Chip resistor (Carbon)

(EX) R K 7 3 E B 2 B 0 0 0 J
1 2 3 4 5 6 7
(Chip) (B,F)

Dimension



• Carbon resistor (Normal type)

(EX) R D 1 4 B B 2 C 0 0 0 J
1 2 3 4 5 6 7

1 = Type
2 = Shape
3 = Dimension
4 = Temp. coefficient
5 = Rating wattage
6 = Value
7 = Tolerance

Dimension (Chip resistor)

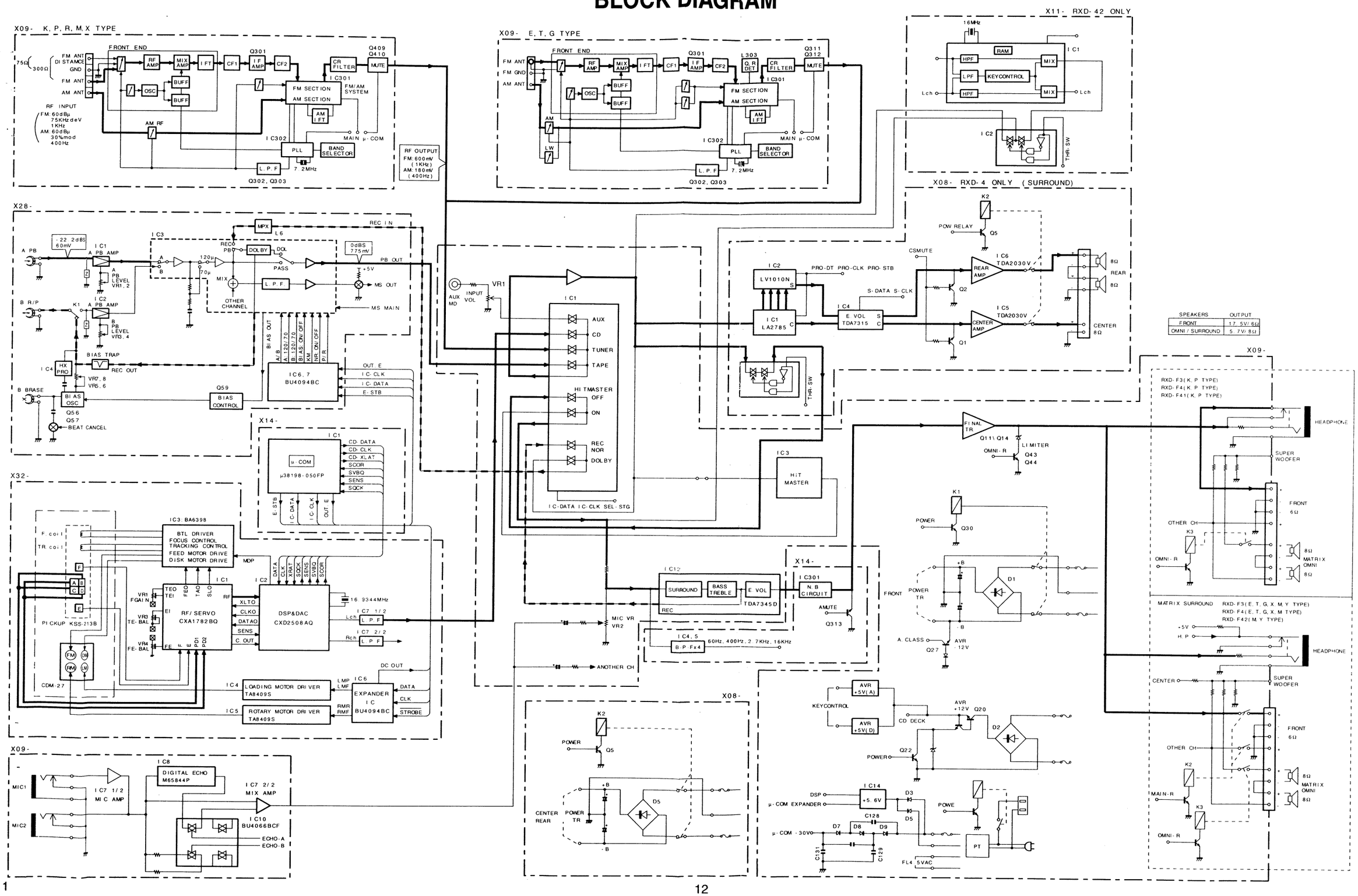
Dimension code	L	W	T
E	3.2 ± 0.2	1.6 ± 0.2	1.0
F	2.0 ± 0.3	1.25 ± 0.2	1.0
G	1.6±0.2	0.8±0.2	0.5±0.

Rating wattage

Code	Wattage	Code	Wattage	Code	Wattage
1J	1/16W	2C	1/6W	3A	1W
2A	1/10W	2E	1/4W	3D	2W
2B	1/8W	2H	1/2W		

RXD-F3/F4/F41/F42

BLOCK DIAGRAM



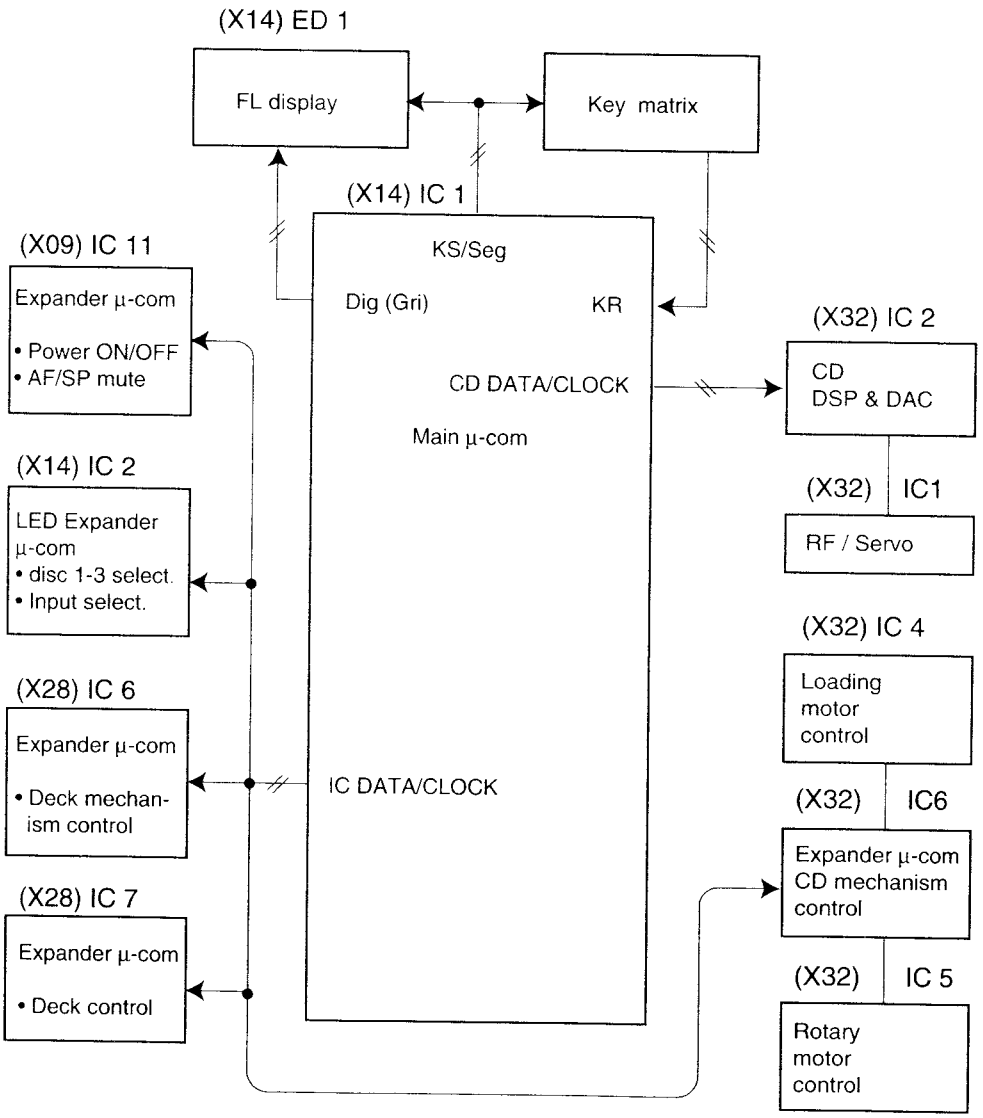
CIRCUIT DESCRIPTION

1. MAIN μ-COM (M38198MC-053FP) (X14 : IC 1) : CD,Display

1.1 Function

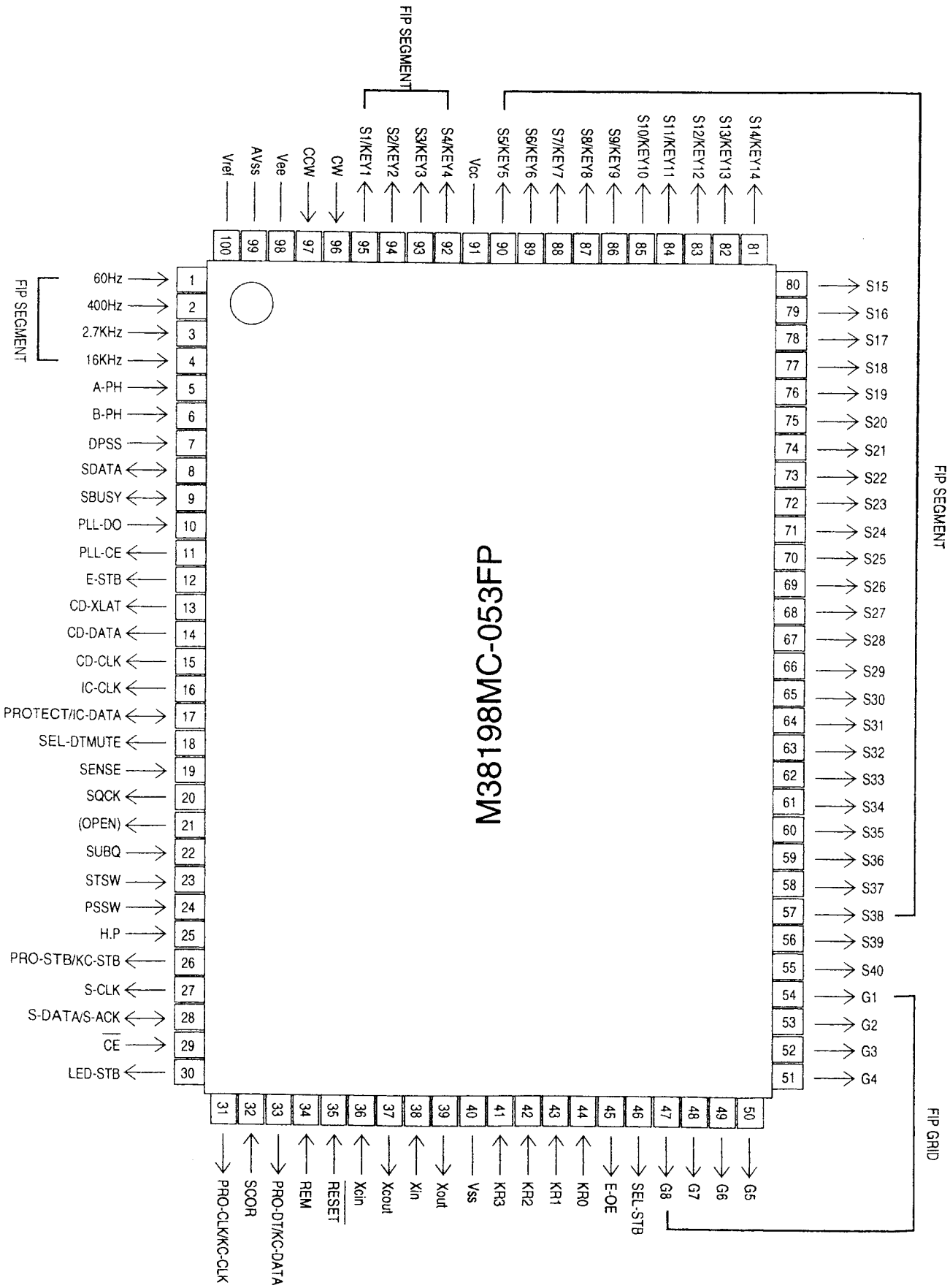
		RXD-F2			RXD-F3			RXD-F4	RXD-F41	RXD-F42
		K,P,R	X,T,E,G	M,Y	K,P,R	X,T,E,G	M	M,X,Y,T,E,G	K,P,R	M
	CD Player	3 DISC								
Tuner	FM Stereo	○								
	LW		T only			T only		T only		
AMP	POWER	30W			50W					
	MATRIX Circuit/ Surround terminal			○		○				○
	A.S.P	○								
	MIC x 2, MIXING	○								
	Digital echo						○			○
	Digital key control									○
	DOLBY PROLOGIC							○		
	AC outlet								○	
DECK	W-DECK MECHA	FULL LOGIC ONE WAY			FULL LOGIC REVERSE					
	DOLBY NR	B			B,HX-PRO					
	Normal speed	○								
	B DECK recording	○								

1.2 Microproccesor periphery block diagram



CIRCUIT DESCRIPTION

1.3 Pin connection



CIRCUIT DESCRIPTION

1.4 Pin description

PIN NO.	I/O	NAME	DESCRIPTION	REMARKS
1	I	60Hz	Speana input(A/D convertor input)	
2	I	400Hz		
3	I	2. 7kHz		
4	I	I6kHz		
5	I	A-PH	A photo sensor input	
6	I	B-PH	B photo sensor input	
7	I	DPSS	DPSS detection	
8	I/O	SDATA	Serial communication data	Refer Note 1
9	I/O	SBUSY	Serial communication busy	Refer Note 1
10	I	PLL-DO	PLL(LC7218)data input	
11	O	PLL-CE	PLL(LC7218)chip enable	
12	O	E-STB	Expander IC(BU4094BF) strobe	
13	O	CD-XLAT	CD latch output(CXA1782BQ,CXD2508Q)	
14	O	CD-DATA	CD IC DATA(CXA1782BQ · CXD2508Q)	
15	O	CD-CLK	CD IC CLK(CXA1782BQ · CXD2508Q)	
16	O	I C-CLK	IC-CLOCK(BU4094BF · NJU7313AM,NJU3718G · LC7218,LC83025E)	
17	I/O	PROTECT/IC-DATA	Protection input IC data(BU4094BF · NJU7313AM,NJU3718G,LC7218,LC83025E)	
18	O	SEL-DTMUTE	Selector IC data mute(NJU7313AM)	
19	I	SENSE	CD sense input(CXA1782BQ,CXD2508Q)	
20	O	SQCK	Sub cord clock(CXD2508Q)	
21	O	(OPEN)	Unused	
22	I	SUBQ	Sub code data(CX2508Q)	
23	I	STSW	CD mechanism stop SW	
24	I	PSSW	CD mechanism position SW	
25	I	H. P	Headphone input	Refer note 8
26	O	PRO-STB/KC-STB	Dolby PROLOGIC IC(LA2785,LV1010N)strobe/Karaoke (Key control) IC(M65840SP) strobe	Refer Note 2
27	O	S-CLK	Surround IC clock(TDA7315,TDA7345)	
28	I/O	S-DATA/S-ACK	Surround IC data(TDA7315 · TDA7345)	
29	I	$\overline{CE}$	Power failure input	
30	O	LED-STB	LED IC(NJU3718G) strobe	
31	O	PRO-CLK/KC-CLK	Dolby PROLOGIC IC(LA2785,LV1010N)clock/Karaoke (Key control) IC(M65840SP)clock output	Refer Note 2
32	I	SCOR	Sub code(CXD2508Q)	
33	O	PRO-DT/KC-DATA	Dolby PROLOGIC IC(LA2785,LV1010N) data/Karaoke (Key control) IC(M65840SP) data output	Refer Note 2
34	I	REM	Remote control input	
35		$\overline{RESET}$	Reset	

CIRCUIT DESCRIPTION

PIN NO.	I/O	NAME	DESCRIPTION	REMARKS
36	I	Xcin	Timer clock input(32.768KHz)	
37	O	Xcout		
38	I	Xin	Main clock input(8.38MHz)	
39	O	Xout		
40		Vss	(GND)	
41 ~ 44	I	KR3 ~ KR0	Key return 3 ~ 0	
45	O	E-OE	Expander IC(BU4094BF) enable control	
46	O	SEL-STB	Selector IC(NJU7313AM) strobe	
47 ~ 54	O	G8 ~ G1	FL grid output G8 ~ G1	
55 ~ 80	O	S40 ~ S15	FL segment output S40 ~ S15	
81~90	O	SI4/KS14 ~ S5/KS5	FL segment/Key scan output S14/KS14~S5/KS5	
91		Vcc	(Micom power)	
92~95	O	S4/KS4~S1/KS1	FL segment/Key scan output S4/KS4~S1/KS1	
96	I	CW	Rotary encoder input B	
97	I	CW	Rotary encoder input A	
98		Vee	Full down power	
99		AVss	A/D GND	
100		Vref	A/D reference voltage	

1.5 Key scan line input

NAME	DESCRIPTION	REMARKS
SLT	CD limit SW	
DNSW	CD down SW	
UPSW	CD up SW	
LDSW	CD load SW	
UNLOAD	CD unload SW	
A-PACK	A deck tape detection	
B-PACK	B deck tape detection	
A-CrO2	A deck Normal/CrO2 detection	
B-CrO2	B deck Normal/CrO2 detection	
A-PLAY	A deck PLAY — SW	
B-PLAY	B deck PLAY — SW	
FREC	Forward REC detection	
RREC	Reverse REC detection	Refer Note 7
TEST	PCB TEST mode	
DSW3	Decided model(D)	
DSW4		
DSW5	Decided destination(D)	
DSW6		
DSW0	Decided tuner destination(D)	
DSW1		
DSW2		
ST	PLL stereo input	
SD	Station detector input	

CIRCUIT DESCRIPTION

Note 1: This port controls only the J-type of UD303/UD423. As for the same model for other destinations, it is set to the input mode, and the register to be accessed is kept at Low.

Note 2: This port controls only the M/J-type of UD423 (key-control type) and all destination models of UD403 (DOLBY PRO LOGIC type). As for the model for other destinations, it is set to the input mode, and the register to be accessed is kept at Low.

Note 3: This terminal controls only all destination models of UD403 (DOLBY PRO LOGIC type). As for other models, it is set at Low.

Note 4: This terminal controls the M/J type of UD203, the E/M type of UD303/UD403, the M/J type of UD423, and the K type of UD403. As for other models, it is set at Low.

Note 5: This terminal controls the M/J type of UD303/UD423. As for other models, it is set at Low.

Note 6: This terminal controls all destination models of UD403 as a MAIN RELAY as well as the M/J type of UD423 as a KEY CONTROL LED. As for other models, it is set at Low.

Note 7: This terminal is fixed at Low for the ONE-WAY type deck (i. e. all destination models of UD203).

Note 8: This port is fixed at Low except on UD403.

Note 9: This port is unused when the mechanical deck has one motor.

	UD203				UD303				UD403			UD413				UD423	
	K	E	M	J	K	E	M	J	K	E	M	K	E	M	J	M	J
Note 1								O									O
Note 2									O	O	O					O	O
Note 3									O	O	O						
Note 4			O	O		O	O	O	O	O	O					O	O
Note 5							O	O	O		O					O	O
Note 6									O	O	O					O	O
Note 7	O	O	O	O					O								
Note 8									O	O	O						

Additional Explanation on Note 4:

OMNI RELAY (MATRIX SURROUND) Control

The models that this terminal controls as an OMNI RELAY are UD203 (M/J), UD303 (E/M/J), UD403 (E/M), and UD423 (M/J), of which control is activated (i. e. turned ON) in the ARENA / JAZZ CLUB / STADIUM mode of PRESENCE.

As far as UD403 (K) is concerned, the terminal is controlled (i. e. turned ON) only when it is set at DOLBY PRO LOGIC. 3 STEREO.

Please note that there is no need to control it when the same model for other destinations are set at DOLBY PRO LOGIC: 3 STEREO.

DIODE SWITCH TABLE

(1)DECIDED MODEL(DSW3,DSW4)

	DSW4 D19	DSW3 D18
UD203	L	L
UD303	L	H
UD403	H	L
UD413/UD423	H	H

L : Non diode

H : Exist diode

(2)DECIDED DESTINATION(DSW5,DSW6)

	DSW6 D16	DSW5 D17
K. P. R	L	L
E. T, G. X	L	H
M, Y	H	L

L : Non diode

H : Exist diode

CIRCUIT DESCRIPTION

.6 Initialization (Reset)

Insert the AC plug into the outlet while holding down the ENTER key of main unit.

nitial stage

	State	
SYSTEM	POWER	OFF
CLOCK PROG.	CLOCK	STOP(AM12:00)
	PROG. Operation MODE	OFF
	PROG.1 : ON=AM12:00	OFF=AM12:00
	MOD=PLAY	SOC=TUNER(1ch)
	PROG.2 : ON=AM12:00	OFF=AM12:00
	MOD=PLAY	SOC=TUNER(1ch)
AMP	VOLUME	7SEG=7
	SELECTOR	TUNER
	EQ.	OFF
	PRESENCE	OFF
	LLC	OFF
	ACTIVE N.B.	OFF
	MUTING	OFF

	State	
TUNER	BAND	FM
	Each last BAND	
	FM : P.ch= - - ch	FREQ=min(76.0 or 87.5MHz)
	AM(MW) : P.ch= - - ch	FREQ=min(530 or 531kHz)
	LW : P.ch= - - ch	FREQ=min(153kHz)
	P.CH Memory 1ch~20ch : Test frequency	(Refer to Test Frequency)
	Tuning MODE	AUTO (AUTO STEREO)
TAPE	A/B Selector	B
	A Deck Head position	For FWD
	B Deck Head position	For FWD
	DOLBY NR	OFF
	DIRECTION	⇄
CD	DISC Selector	DISC 1
	REPEAT	OFF

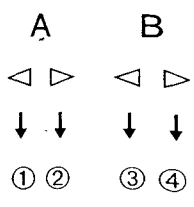
2 TEST MODE

2.1 Cassette Deck TEST Mode

TEST Mode	Operation	Description
Input method	While depressing the TAPE key, plug the power cord in to an AC power outlet.	Entered TEST mode.
Cancel method	Turn off the power.	Cancelled TEST mode.
4 sec. REC	REC	Insert the cassette tape of B deck, select AUX, the deck start REC position. On the REC mute off, started 4 sec REC. After return REC Starting position,select TAPE, started PLAY position.
Direct PLAY	FWD key ※ RVS key(Insert the tape in the A or B deck)	FWD key : Moved FWD PLAY to select A or B RVS key : Moved REV PLAY to select A or B.
W PLAY	FWD key ※ RVS key(Insert the tape in the A or B deck)	Moved PLAY A and B, output PLAY signal with selection.
FL display	DEMO	FL : All no light ←→ normal display(cyclic) LED RED and GRN : Flickering ←→ normal display(Cyclic)

※ RVS position isn't RXD-F2.

2.2 DETECT HALF SW (On TEST MODE)



① A deck sw detection display

Lit(ON) : A deck NORMAL tape

Lit(OFF) : A deck METAL, CrO2 tape

② B deck sw detection display

Lit(ON) : B deck NORMAL tape

Lit(OFF) : B deck METAL, CrO2 tape

③ B deck sw detection display

Lit(ON) : B deck RVS direction REC possible tape

Lit(OFF) : B deck RVS direction REC impossible tape

④ B deck sw detection display

Lit(ON) : B deck FWD direction REC possible tape

Lit(OFF) : B deck FWD direction REC impossible tape

CIRCUIT DESCRIPTION

2.2 AMP GE TUNER TEST MODE

1. How to turn it ON

   If you turn ON the power while pressing the AUX key or the TUWER key, it will go into the AMP/GE/TUNER test mode.

2. Operation immediately after the start-up of the test mode

   The test mode gets started while the power is turned ON. If the AUX key is pressed, the selector will be turned to "AUX." If the TUNER key is pressed, it will be turned to "TUNSR. All the FLs will light up. The red and green lamps of the two-color LEDS will light up by turns at 500 msec. interval. All the single-color LEDS will light up. The indication with all the LEDs' lighting up can be released by operating the key on the remote control or on the main body Then, it will be returned to the ordinary "AUX" display then to the ordinary display.

3. Operation in the test mode

(1) MUTE control is not activated when the mode is switched.

(2) The test mode will not be terminated if it is shifted to other positions than "AUX.

(3) The test mode will be terminated by plugging it off the power source or by initializing it, when all the settings will be initialized.

(4) During the test mode, it can be operated in a special manner that is different from an ordinary operation by using the keys on the remote control or the main body, specifically as shown in the following table.

Key	Function	Key	Function
POWER	Initialization	DEMO	All light ≒ normal display(cyclic)
CD	Normal operation	+10(Remocon key)	Selector TUNER+10 key
TAPE	Normal operation	0(Remocon key)	Selector TUNER 0 key
TUNER	Normal operation	1(Remocon key)	Selector TUNER 1 key
MD/AUX	Normal operation	2(Remocon key)	Selector TUNER 2 key
■	Normal operation	3(Remocon key)	Selector TUNER 3 key
⏮	Normal operation	4(Remocon key)	Selector TUNER 4 key
⏭	Normal operation	5(Remocon key)	Selector TUNER 5 key
◄◄	Normal operation	6(Remocon key)	Selector TUNER 6 key
►►	Normal operation	7(Remocon key)	Selector TUNER 7 key
ENTER.	Normal operation	8(Remocon key)	Selector TUNER 8 key
LLC	Normal operation	9(Remocon key)	Selector TUNER 9 key
PRESENCE	Normal operation		
N. B.	Normal operation		
EQ. ON/OFF	Normal operation		
DEMO	Normal operation		
DISC 1	Normal operation		
DISC 2	Normal operation		
DISC 3	Normal operation		
OPEN/CLOSE	Normal operation		
※ DISK SKIP	※ Equalizer FLAT (OFF)		
REPEAT	Normal operation		
A/B(A)	※ Master MID(CE)		
DIRECTION/B(F2 only)	※ Master MIN(L)		
DOLBY NR B(Unit)	Equalizer MIN		
DUBBING (Unit)	Equalizer MAX		
REC/ARM(REC)	HIT MASTER ON		
ONE TOUCH EDIT	※ Master MAX(R)		

※ The DISK SKIP key is used for "Equalizer FLAT" and "OFF function" (to turn OFF "PRESENCE" and "HIT MASTER").

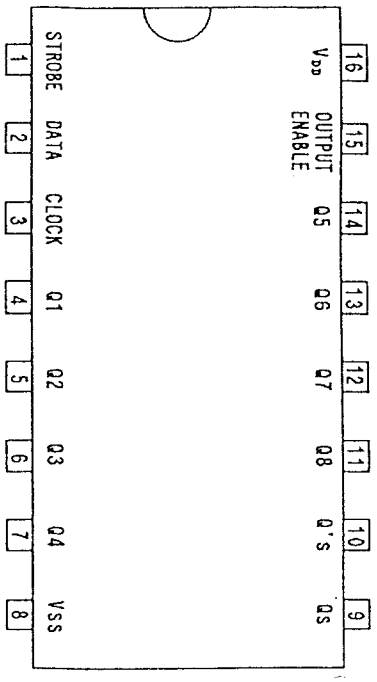
※ The remote control/main body keys that are not listed above will work as usual.

※ If you press the center key of the models equipped with DOLBY SURROUND function, the DIRECTION key has the "L-side balance MAX" function, the A/B(A) key has the "balance center" function, and the ONS TOUCH EDIT key has the "R-side balance MAX" function.

CIRCUIT DESCRIPTION

3. Expander μ-com : BU4094BCF (X09 : IC11) (X28 : IC 6,7) , BU4094BC (X32 : IC6)

3.1 Pin connection



3.2 Pin connection

Pin No.	Pin Name	I/O	Pin Function
1	STROBE	I	STROBE INPUT
2	DATA	I	DATA INPUT
3	CLOCK	I	CLOCK INPUT
4	Q1	O	PARALLEL OUTPUT
5	Q2	O	PARALLEL OUTPUT
6	Q3	O	PARALLEL OUTPUT
7	Q4	O	PARALLEL OUTPUT
8	Vss	—	Vss
9	Qs	O	SERIAL OUTPUT
10	Q's	O	SERIAL OUTPUT
11	Q8	O	PARALLEL OUTPUT
12	Q7	O	PARALLEL OUTPUT
13	Q6	O	PARALLEL OUTPUT
14	Q5	O	PARALLEL OUTPUT
15	OUTPUT ENABLE	I	ENABLE INPUT
16	V DD	—	V DD

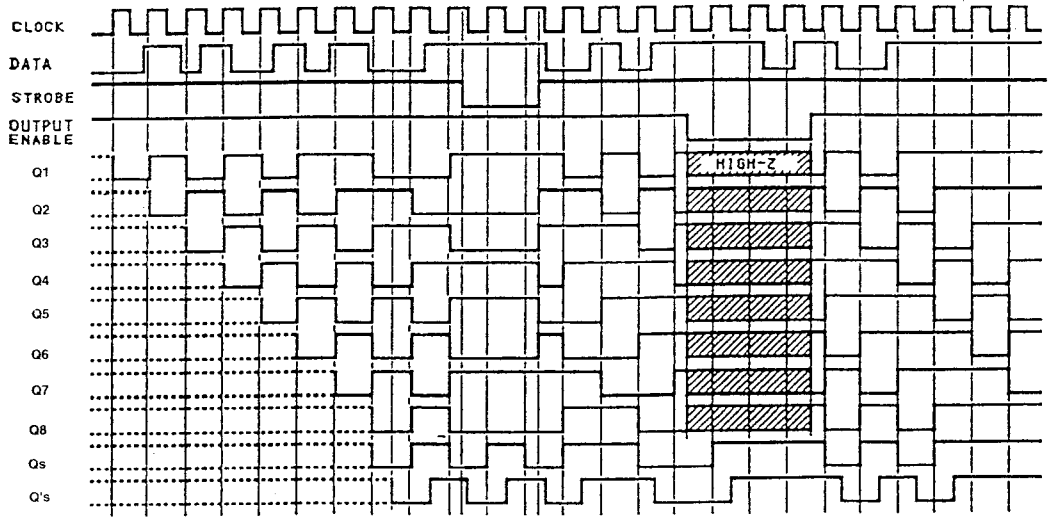
※Refer to next diagram about Q1 ~Q8.

3.3 TRUE TABLE

CLOCK	OUTPUT ENABLE	STROBE	DATA	PARALLEL OUTPUTS		SERIAL OUTPUTS	
				Q1	Qn	Qs	Q's
↑	L	X	X	Z	Z	Q7	No Chg.
↓	L	X	X	Z	Z	No Chg.	Qs
↑	H	L	X	No Chg.	No chg.	Q7	No Chg.
↑	H	H	L	L	Qn- 1	Q7	No Chg.
↑	H	H	H	H	Qn-1	Q7	No Chg.
↓	H	X	X	No Chg.	No Chg.	No Chg.	Qs

Z=High Impedance
X=Don' t Care

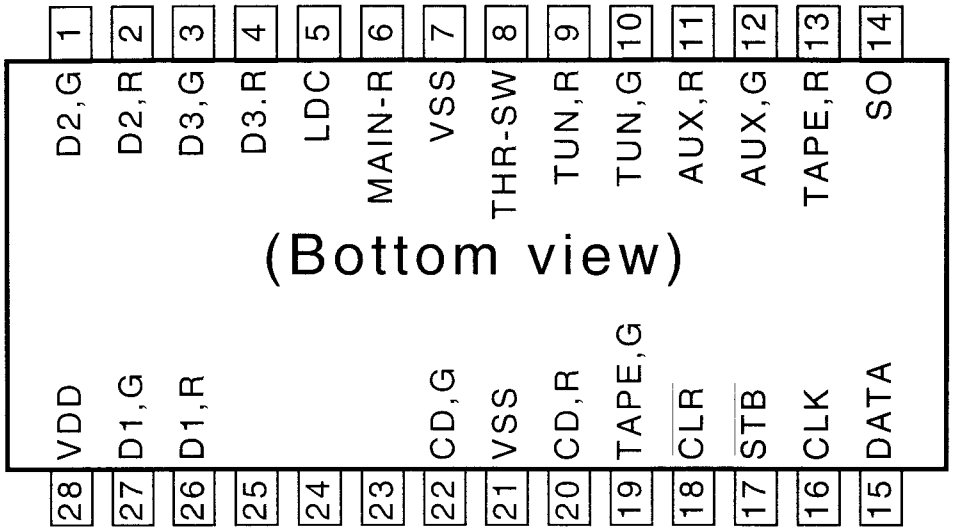
3.4 Timing chart



CIRCUIT DESCRIPTION

4. EXPANDER μ-COM : NJU3718G (X14 : IC2)

4.1 Pin connection



4.2 Pin description

Pin No.	Pin Name	I/O	Pin Function
1	D2. G	O	DISC2 GREEN
2	D2. R	O	DISC2 RED
3	D3. G	O	DISC3 GREEN
4	D3. R	O	DISC3 RED
5	LDC	O	CD LASER DIODE
6	MAIN-R	O	MAIN SPEAKER RELAY(Ref.Note 6)
7	Vss	—	V ss
8	THR-SW	O	Key control/Pro Logic through SW
9	TUN. R	O	Selector TUNER LED RED
10	TUN. G	O	Selector TUNER LED GREEN
11	AUX. R	O	Selector AUX LED RED
12	AUX. G	O	Selector AUX LED GREEN
13	TAPE. R	O	Selector TAPE LED RED
14	SO	I	NO USE
15	DATA	I	DATA INPUT
16	CLK	I	CLOCK INPUT
17	$\overline{STB}$	I	STROBE INPUT
18	$\overline{CLR}$	I	CLEAR INPUT
19	TAPE. G	O	Selector TAPE LED GREEN
20	CD. R	O	Selector CD LED RED
21	Vss	—	Vss
22	CD. G	O	Selector CD LED RED
23	◄◄ ►►	O	Center control key(◄◄ ►►)
24	I◄◄ ►►I	O	Center control key(I◄◄ ►►I)
25	■	O	Center control key(■)
26	D1. R	O	DISC1 RED
27	D1. G	O	DISC1 GREEN
28	V DD	—	V DD

● Note 6: This terminal controls all destination models of UD403 as a MAIN RELAY as well as the M/J type of UD423 as a KEY CONTROL LED. As for other models, it is set at Low.

CIRCUIT DESCRIPTION

Expander port output

1. Amp section (8 ports)

IC-NO.	Pin No.	Name	I/O	Function name	Description	Remarks
(X09)IC11	4	Q1	O	POWER	Power supply output	
	5	Q2	O	AMUTE	Audio MUTE	
	6	Q3	O	CR-MUTE	Center rear MUTE	Ref. Note 3
	7	Q4	O	CR-R	Relay ON/OFF of center rear speakers	Ref. Note 3
	14	Q5	O	OMNI-R	Relay ON/OFF of OMNI speakers	Ref. Note 4
	13	Q6	O			
	12	Q7	O			
	11	Q8	O	TMUTE	Tuner MUTE	

- Note 3 : his terminal controls only all destination models of UD403 (DOLBY PRO LOGIC type). As for other models, it is set at Low.
- Note 4 : This terminal controls the M/J type of UD203, the E/M type of UD303/uD403, the M/J type of UD423, and the K type of UD403. As for other models, it is set at Low.
- Additional Explanation on Note 4 : OMNI RELAY (MATRIX SURROUND) Control
  The models that this terminal controls as an OMNI RELAY are UD203 (M/J), UD303 (E/M/J), UD403 (E/M), and UD423 (M/J), of which control is activated (i. e. turned ON) in the ARENA / JAZZ CLUB /STADIUM mode of PRESENCE.
  As far as UD403 (K) is concerned, the terminal is controlled(i. e. turned ON) only when it is set at DOLBY PRO LOGIC : 3 STEREO.
  Please note that there is no need to control it when the same model for other destinations are set at DOLBY PRO LOGIC : 3 STEREO.

2. Cassette deck section (1) (8 ports)

IC-NO.	Pin No.	Name	I/O	Function name	Description	Remarks
(X28)IC6	4	Q1	O	A-SOL	A solenoid control	
	5	Q2	O	A-CPM	A motor control	Ref. Note 9
	6	Q3	O	B-SOL	B solenoid control	
	7	Q4	O	B-CPM	B motor control	
	14	Q5	O	R/P	B mechanism REC/PLAY change over	
	13	Q6	O	BEAT-C	Beat canceller	
	12	Q7	O	ECHO-B	Echo IC change over B	Ref. Note 5
	11	Q8	O	ECHO-A	Echo IC change over A	Ref. Note 5

- Note 5 : This terminal controls the M/J type of UD303/UD423. As for other models, it is set at Low.
- Note 9 : This port is unused when the mechanical deck has one motor.

3. Cassette Deck section(2)(8 ports)

IC-NO.	Pin No.	Name	I/O	Function name	Description	Remarks
(X28)IC7	4	Q1	O	RMUTE	REC MUTE	
	5	Q2	O	D-R/P	Dolby REC/PLAY changeover	
	6	Q3	O	LMUTE	LINE MUTE	
	7	Q4	O	NR	Noise reduction changeover	
	14	Q5	O	A/B	A/B playback changeover	
	13	Q6	O	ASEL	A normal/chrome selector	
	12	Q7	O	BSEL	B normal/chrome selector	
	11	Q8	O	BIAS	BIAS on/off control	

- Note 10 : This terminal had been set at "MS" (DPSS sensitivity switching) with a TS, but had been unused. There occurred a sound leak in the FF/RWD/search mode with the TS, and it is currently controlled as a LINE MUTE terminal.

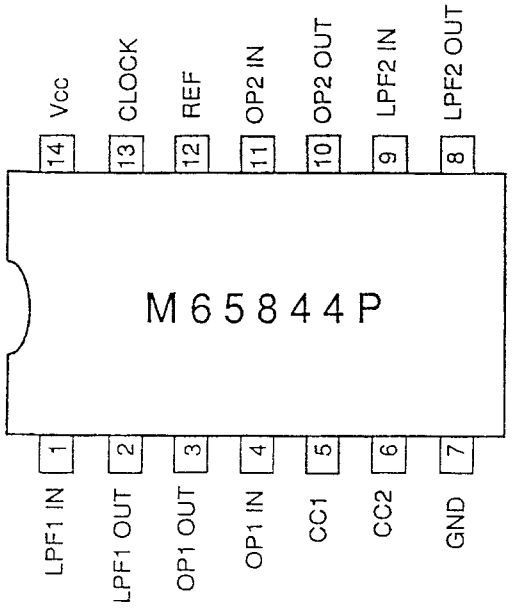
4. CD section(8 ports)

IC-NO.	Pin No.	Name	I/O	Function name	Description	Remarks
(X32)IC6	4	Q1	O	RMR	Rotary motor control	
	5	Q2	O	BRKM	Rotary motor control	
	6	Q3	O	RMF	Rotary motor control	
	7	Q4	O	LMF	Load motor control	
	14	Q5	O	DC-CNT	CD IC power supply control	
	13	Q6	O	I CRST	CD IC reset control	
	12	Q7	O	P-MON	Focus control	
	11	Q8	O	LMR	Load motor control	

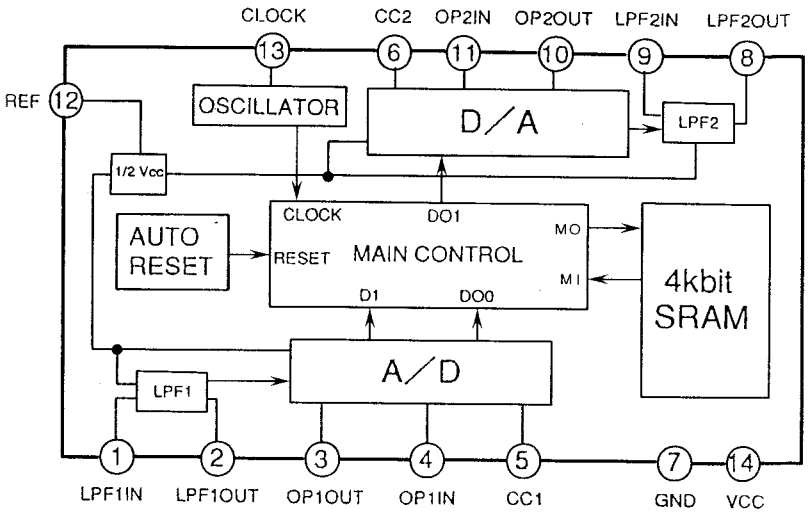
CIRCUIT DESCRIPTION

5. Digital echo : M65844P (X09 : IC8)

5.1 Pin Connection



5.2 Block diagram



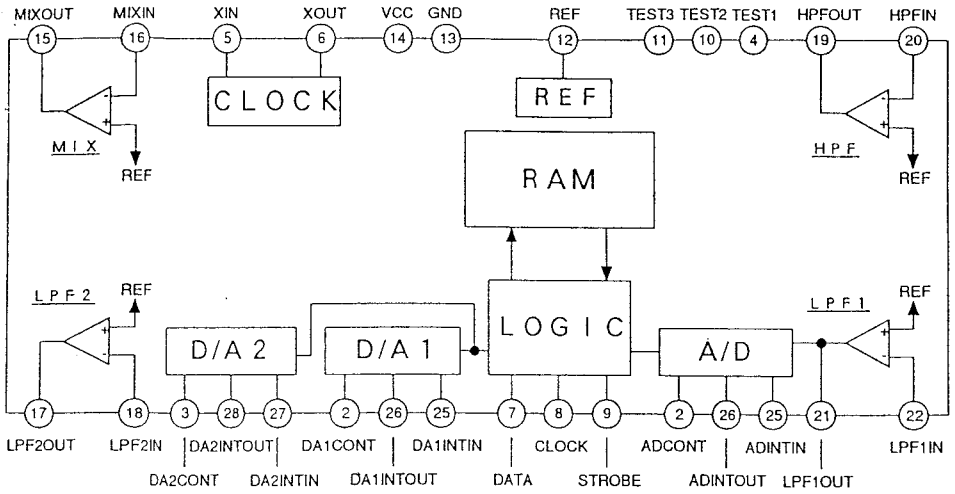
5.3 Pin description

Pin No.	Name	I/O	Discription
1	LPF1 IN	I	Input side L.P.F. with outside C.R.
2	LPF1 OUT	O	
3	OP1 OUT	O	A/D converted integrator with outside C.
4	OP1 IN	I	
5	CC1	-	A/D convertor ADM control
6	CC2	-	D/A convertor ADM control
7	GND	-	GND
8	LPF2 OUT	O	Input side L.P.F. with outside C.R.
9	LPF2 IN	I	
10	OP2 OUT	O	D/A converted integrator with outside C.
11	OP2 IN	I	
12	REF	-	Analog reference voltage ≒ 1/2Vcc
13	CLOCK	I	Generator(220KHz)with outside C.R.
14	Vcc	-	Power supply 4.5V ~ 5.5V(Specification)

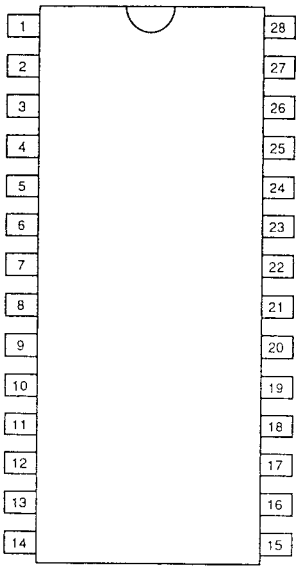
CIRCUIT DESCRIPTION

6. KEY CONTROL IC : 65840SP (X11 : IC1)

6.1 Block diagram



6.2Pin connection



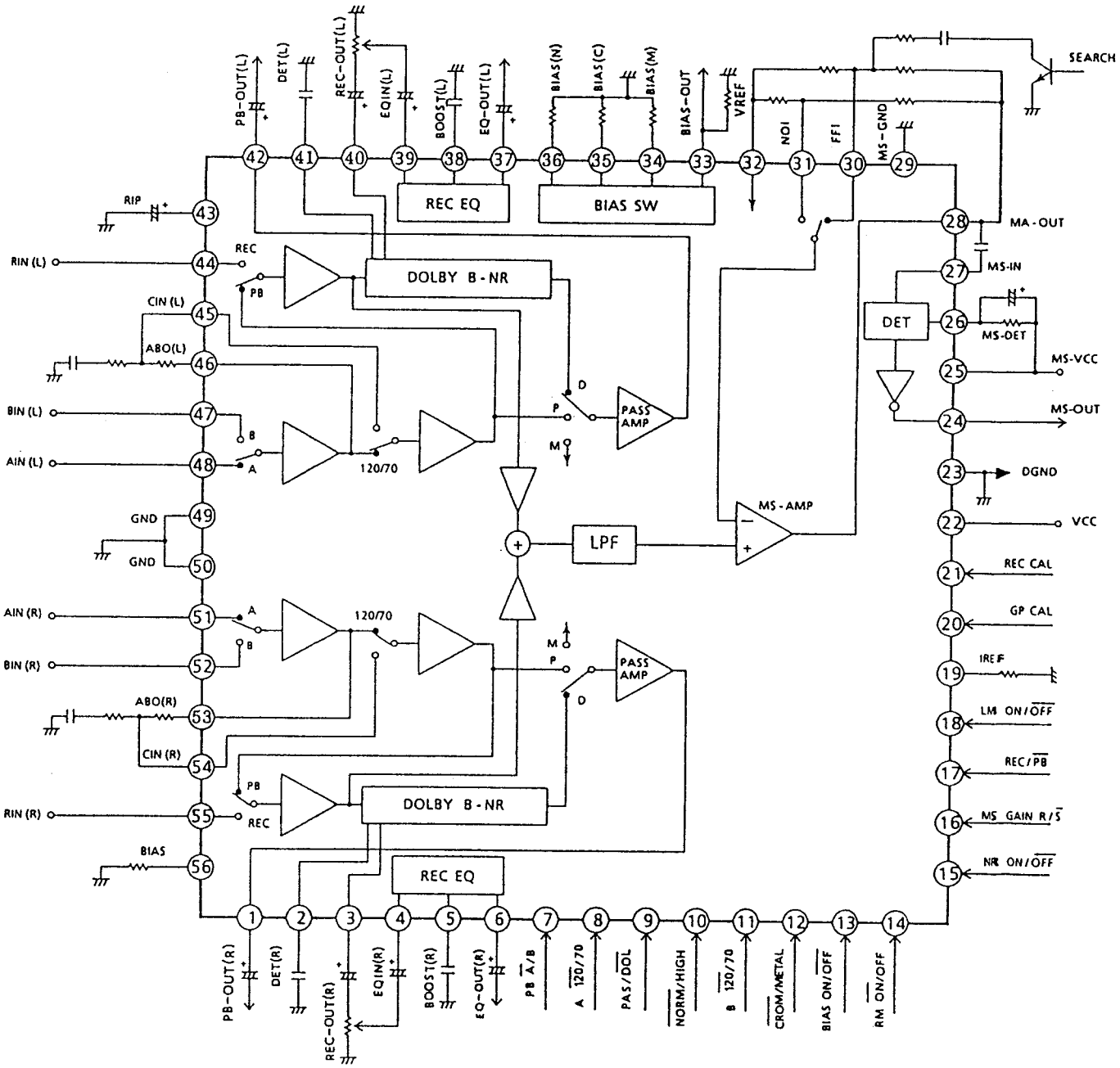
6.3 Pin description

PIN NO.	NAME	I/O	DESCRIPTION
1	ADCONT	O	Decide fitness time constant of ADM system A/D convert.
2	DA1CONT	O	Decide fitness time constant of ADM system D/A1 convert.
3	DA2CONT	O	Decide fitness time constant of ADM system D/A2 convert.
4	TEST1	O	L:NORMAL mode H:TEST mode
5	XIN	I	Connect 16MHz ceramic filter.
6	XOUT	O	
7	DATA	I	Serial bus DATA input
8	CLOCK	I	Serial bus CLOCK input
9	STROBE	I	Serial bus STROBE input
10	TEST2		N.C.(Open)
11	TEST3		N.C.(Open)
12	REF		1/2Vcc output,Connect filter C.
13	GND	-	GND
14	VCC		Power supply
15	MIXOUT	O	Mix key control low signal and through high signal.
16	MIXIN	I	
17	LPF2OUT	O	Post filter after converted D/A of the key control.
18	LPF2IN	I	
19	HPFOUT	O	L.P.F. of through high signal.
20	HPFIN	I	
21	LPF1OUT	O	Pre filter before converted A/D of the key control.
22	LPF1IN	I	
23	ADINTIN	I	A/D converted integrator with outside C.
24	ADINTOUT	O	
25	DA1INTIN	I	D/A1 converted integrator with outside C.
26	DA1INTOUT	O	
27	DA2INTIN	I	D/A2 converted integrator with outside C.
28	DA2INTOUT	O	

CIRCUIT DESCRIPTION

7. DOLBY IC : HA12182F(X28 : IC3)

7.1 Block diagram/pin connection



CIRCUIT DESCRIPTION

7.2 Pin description

Pin No.	Name	Function
1	PBOUT(R)	PB output
2	DET(R)	Decided NR time constant
3	RECOUT(R)	REC output
4	EQIN(R)	REC EQ input
5	BOOST(R)	Decide low frequency boost time constant
6	EQOUT(R)	EQ output
7	PB $\overline{A}$/B	Mode decided input
8	A$\overline{120}$/70	Mode decided input
9	PASS/$\overline{DOL}$	Mode decided input
10	$\overline{NORM}$/HIGH	Mode decided input
11	B$\overline{120}$/70	Mode decided input
12	$\overline{CROM}$/METAL	Mode decided input
13	BIAS ON/$\overline{OFF}$	Mode decided input
14	RM $\overline{ON}$/OFF	Mode decided input
15	NR ON/$\overline{OFF}$	Mode decided input
16	MS GAIN R/$\overline{S}$	Mode decided input
17	REC/$\overline{PB}$	Mode decided input
18	LM ON/$\overline{OFF}$	Mode decided input
19	IREF	EQ reference current input
20	GPCAL	GP comparated terminal
21	RECCAL	REC gain comparated terminal
22	Vcc	Power supply
23	D-GND	Digital in/output reference voltage
24	MSOUT	MS output(to MPU)
25	MS-Vcc	Power supply
26	MSDET	Decided MS time constant
27	MSIN	MS input
28	MAOUT	MS AMP output
29	MS-GND	GND
30	FFI	MS(FF,REW) return input
31	NOI	MS(Normal) return input
32	VREF	MS reference output
33	BIASOUT	REC bias output
34	BIAS(M)	REC bias current input
35	BIAS(C)	REC bias current input
36	BIAS(N)	REC bias current input
37	EQOUT(L)	EQ output
38	BOOST(L)	Decide low frequency boost time constant
39	EQIN(L)	REC EQ input
40	RECOUT(L)	REC output
41	DET(L)	Decided NR time constant
42	PBOUT(L)	PB output
43	RIP	Ripple filter
44	RIN(L)	REC input
45	CIN(L)	70 μ buffer input
46	ABO(L)	PB input buffer output

Pin No.	Name	Function
47	BIN(L)	B deck PB input
48	AIN(L)	A deck PB input
49	GND	GND
50	GND	GND
51	AIN(R)	A deck PB input
52	BIN(R)	B deck PB input
53	ABO(R)	PB input buffer output
54	CIN(R)	70 μ buffer input
55	RIN(R)	REC input
56	BIAS	Dolby bias current input

*MS : Music Sensor

7.3 HA12182F : PARALLEL-DATA

Pin NO. QFP- 56	Pin name	Lo	Hi
7	PB A/B	A in ACTIVE *1	B in ACTIVE *1
8	A120/70	*1	*1
9	PAS/ DOL	DOLBY NR	PASS AMP ACTIVE
10	NORM/ HIGH	NORMAL	Hi-SPEED
11	B120/70	*1 *2	*1 *2
12	CROM / METAL	*2	*2
13	BIAS ON /OFF	BIAS OFF	BIAS ON
14	RM ON/OFF	EQOUT MUTE	EQOUT MUTE OFF
15	NR ON/OFF	DOLBY NR OFF	DOLBY NR ON
16	MS GAIN R/S	SEARCH	REPEAT
17	REC/ PB	PB (DECODE)	REC (ENCODE)
18	LM ON/OFF	PBOUT MUTE OFF	PBOUT MUTE

Note) "Lo " when pin open.

*1 PB EQ LOGIC

A120/70	B120/70	PB A/B	
		L	H
L	L	FLAT	FLAT
L	H	FLAT	70y
H	L	70 μ	FLAT
H	H	7o μ	70 μ

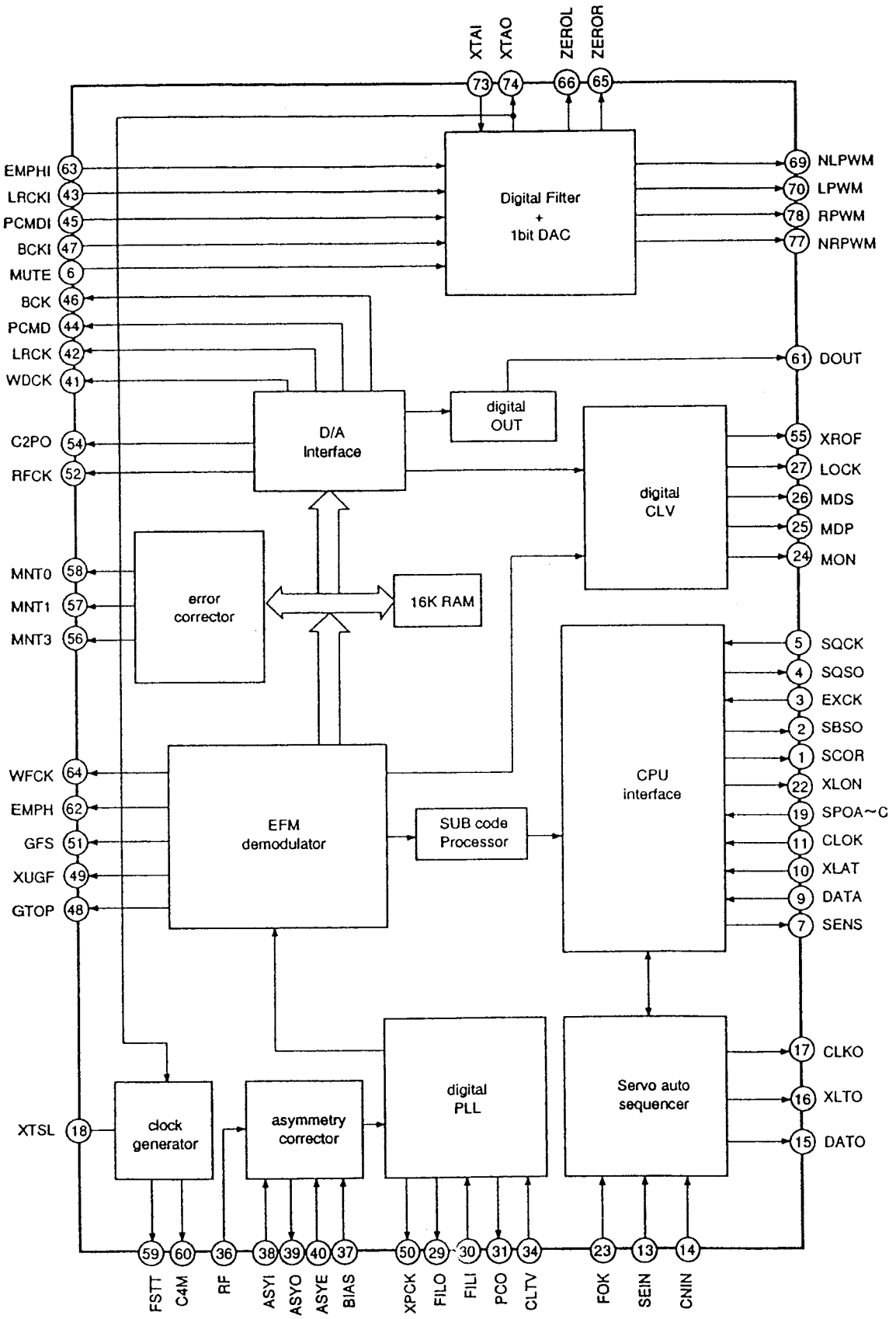
*2 REC BIAS LOGIC

		CROM / METAL	
		L	H
B120/70	L	NORMAL (I)	NORMAL(I)
	H	CROM (II)	METAL(IV)

CIRCUIT DESCRIPTION

8. CD DSP : CXD2508AQ (X32 : IC2)

8.1 Pin connection



CIRCUIT DESCRIPTION

8.2 Pin description

Pin NO. Q	Name	I/O	Description
1	SCOR	O	Sub code sink output H : Detected S0 or S1
2	SBSO	O	SUBP ~ W serial output
3	EXCK	I	SBSO read out clock input
4	SQSO	O	SUBQ80BIT serial output
5	SQCK	I	SQSO read out clock input
6	MUTE	I	H : ON, L : OFF
7	SENS	O	SENS output, output to CPU
8	XRST	I	System reset, L : RESET
9	DATA	I	Serial data input from CPU
10	XLAT	I	Latch input from CPU, Latched serial data on falling edge
11	CLOK	I	Serial data transmission clock input from CPU
12	Vss		GND
13	SEIN	I	Sense input from SSP
14	CNIN	I	Track jump Q'ty count signal input
15	DATO	O	Serial data output to SSP
16	XLTO	O	Serial data latch output for SSP, Latched on falling edge.
17	CLKO	O	Serial data transmission clock output to SSP.
18	SPOA	I	Expander μ -Com interface(Input A)
19	SPOB	I	Expander μ -Com interface(Input B)
20	SPOC	I	Expander μ -Com interface(Input C)
21	XTSL	I	Selected Xtal input, L : 16.9344MHz H : 33.8688MHz
22	XLON	O	μ -Com expander interface(Output)
23	FOK	I	Focus OK input. Use SENS output and servo auto sequencer.
24	MON	O	Spindle motor ON/OFF control output
25	MDP	O	Spindle motor servo control
26	MDS	O	Spindle motor servo control
27	LOCK	O	Sampling 460Hz on GES, GFS H : H 8Times L : L
28	TEST	I	TEST terminal, normal use GND.
29	FILO	O	Master PLL(Slave = Digital PLL) filter output.
30	FILI	I	Master PLL filter input
31	PCO	O	Master PLL charge pump output.
32	VDD		DSP digital power supply
33	AVss1		DSP analog power GND
34	CLTV	I	Master PLL VCO control voltage input.
35	AVDDI		DSP analog power supply
36	RF	I	EFM signal input
37	BIAS	I	Asymmetry revision circuit fixed current input.
38	ASYI	I	Asymmetry revision circuit comparator voltage input.
39	ASYO	O	EFM full swing output L =Vss, H = VDD
40	ASYE	I	L:Asymmetry revision OFF, H: Asymmetry revision ON
41	WDCK	O	48bit slot D/A interface, world clock(2FS)
42	LRCK	O	48bit slot D/A interface LR clock(FS)
43	LRCKI	I	LR clock input(48bit slot) for DAC
44	PCMD	O	D/A interface, serial data(2'SCOMP,MSB first)
45	PCMDI	I	Audio data input(48bit slot) for DAC

CIRCUIT DESCRIPTION

Pin NO. Q	Name	I/O	Description
46	BCK	O	D/A interface, bit clock
47	BCKI	I	Bit clock input(48bit slot) for DAC
48	GTOP	O	GTOP output
49	XUGF	O	XUGF output
50	XPCK	O	XPLCK output
51	GFS	O	GFS output
52	RFCK	O	RFCK output
53	Vss		GND
54	C2PO	O	C2PO output
55	XROF	O	XRAOF output
56	MNT3	O	MNT3 output
57	MNT 1	O	MNT1 output
58	MNT0	O	MNT0 output
59	FSTT	O	Output 2/3 divided f of 33,8688MHz
60	C4M	O	4.2336MHz output
61	DOUT	O	Digital output
62	EMPH	O	CD Emphasis H : EX1ST L : Non
63	EMPHI	I	DAC demphasis ON/OFF, H : ON, L : OFF
64	WFCK	O	WRITE FRAME CLOCK output
65	ZEROL	O	No sound data detected output, H : No sound(Lch)
66	ZEROR	O	No sound data detected output, H : No sound(Rch)
67	DTS 1	I	DAC test terminal 1, normal L
68	VDD		DAC Digital power supply
69	NLPWM	O	Lch PWM output(Reverse phase)
70	LPWM	O	Lch PWM output(Normal phase)
71	AVDD2		PWM driver power supply
72	AVDD3		Xtal power supply
73	XTAI	I	33.8688MHz Xtal OSC input
74	XTAO	O	33.8688MHz Xtal OSC output
75	AVss3		Xtal GND
76	AVss2		PWM driver GND
77	NRPWM	O	Rch PWM output(Reverse phase)
78	RPWM	O	Rch PWM output(Normal phase)
79	DTS2	I	DAC test terminal 2, normal L
80	DTS 3	I	DAC test terminal 3, normal L

NOTES:

-"PCMD" is 2-S complementary output of "MSB First."

- "GTOP" is used to monitor the protective conditions of FrameSync (where "H" indicates "Sync protective window open").

-"XUGF" is a FrameSync obtained from the EFM signal, which is a negative pulse. This is a signal before Sync protection.

- "XPLICK" means to reverse the EFM PLL clock. The PLL is designed to match the falling edge with the changing point of the EFM signal.

- "GFS signal" is a signal that causes "H" when the FrameSync is matched with interpolation protective timing.

-"RFCK" is a 136- μsec. cycle signal that can be obtained at Xtal accuracy.

-"C2PO" is a signal that indicates the error status of the data.

- "XRAOF" is a signal that occurs when the 16K RAM exceeds the jitter margin of ±4F.

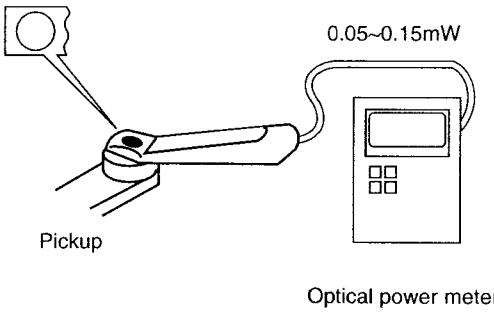
ADJUSTMENT

CD section

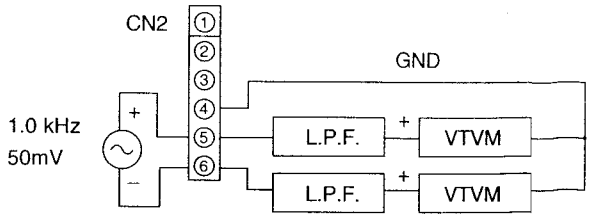
No.	ITEM	INPUT SETTING	OUTPUT SETTING	PLAYER SETTING	ALIGNMENT POINT	ALIGN FOR	FIG.
1	LASER POWER	-	Set the senor section of the optical power meter on the pickup lens.	Press CD key and turn the power on to enter the test mode.Press the"REPEAT"key to check that the display is "03".	-	On the power from.0.05 to 0.15mw. when the diffraction grating is correctly aligned with the RF level of 0.8Vp-p or more	(a)
2	TRACKING ERROR BALANCE	Test disc Type 4	Connect an oscilloscope as follows. CH1 : RF (CN2-1) CH2 : TE (CN2-6)	Load disc and set to test mode.Confirm the display is"03".	TE BALANCE VR3	Symmetry between upper and lower or DC=0±0.05V	
3	FOCUS ERROR BALANCE	Test disc Type 4	Connect an oscilloscope as follows. CH1 : RF(CN2-1) CH2 : TE(CN2-6)	Press the PLAY key. Confirm that the display is"05"	FE BALANCE VR4	Optimum eye pattern	
4	TRACKING GAIN	Test disc Type 4 Apply signal of 1.0kHz, 50mVrms to CN2 pin 5-6.	Connect a LPF to CN2 pin 5-6 to which connect an oscilloscope or AC voltmeters.	Press the PLAY key. Confirm that the displays"05"	TRACKING GAIN VR1	Two VTVMs should read the same value.	(e)

Note:
Type 4disc :SONY YEDS-18 Test Disc or equivalent.
LPF : Around 47kΩ + 390pF or so.
Step 1 ~ 5 are in Test Mode.

(a) Laser Power



(e) Tracking Gain Adj.



CD test mode input method : While depressing the CD key, plug the power cord into an AC power outlet.

NO.	KEY	OPERATION	TRACK NO. DISPLAY
1	PLAY	Clamp DISC 1 1. FOCUS SERVO .....ON 2. TRACKING SERVO .....ON 3. FEED SERVO .....ON	05
2	REPEAT	1.FOCUS SERVO .....ON 2. TRACKING SERVO .....OFF 3. FEED SERVO .....OFF	03
3	DISC1	PLAY T NO.16	16
4	STOP	STOP	01
5	DISC2	SELECTED DISC1, SHIPMENT POSITION.	— — —

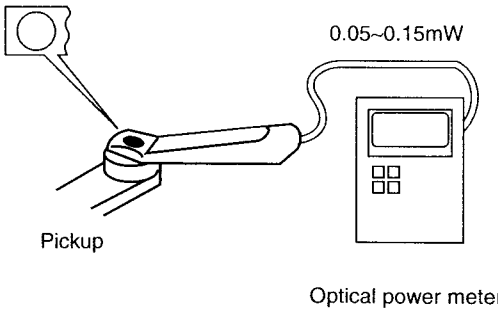
ADJUSTMENT

CD section

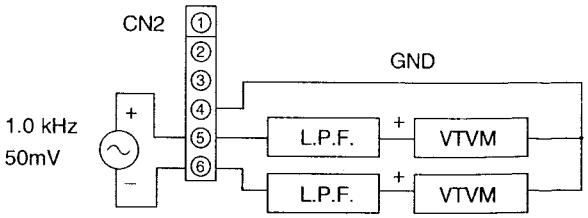
No.	ITEM	INPUT SETTING	OUTPUT SETTING	PLAYER SETTING	ALIGNMENT POINT	ALIGN FOR	FIG.
1	LASER POWER	-	Set the senor section of the optical power meter on the pickup lens.	Press CD key and turn the power on to enter the test mode.Press the"REPEAT"key to check that the display is "03".	-	On the power from.0.05 to 0.15mw. when the diffraction grating is correctly aligned with the RF level of 0.8Vp-p or more	(a)
2	TRACKING ERROR BALANCE	Test disc Type 4	Connect an oscilloscope as follows. CH1 : RF (CN2-1) CH2 : TE (CN2-6)	Load disc and set to test mode.Confirm the display is"03".	TE BALANCE VR3	Symmetry between upper and lower or DC=0±0.05V	
3	FOCUS ERROR BALANCE	Test disc Type 4	Connect an oscilloscope as follows. CH1 : RF(CN2-1) CH2 : TE(CN2-6)	Press the PLAY key. Confirm that the display is"05"	FE BALANCE VR4	Optimum eye pattern	
4	TRACKING GAIN	Test disc Type 4 Apply signal of 1.0kHz, 50mVrms to CN2 pin 5-6.	Connect a LPF to CN2 pin 5-6 to which connect an oscilloscope or AC voltmeters.	Press the PLAY key. Confirm that the displays"05"	TRACKING GAIN VR1	Two VTVMs should read the same value.	(e)

Note:
Type 4disc :SONY YEDS-18 Test Disc or equivalent.
LPF : Around 47kΩ + 390pF or so.
Step 1 ~ 5 are in Test Mode.

(a) Laser Power



(e) Tracking Gain Adj.

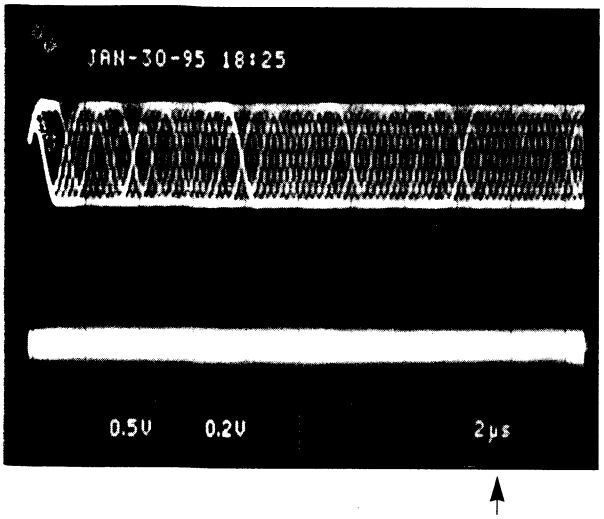


CD test mode input method : While depressing the CD key, plug the power cord into an AC power outlet.

NO.	KEY	OPERATION	TRACK NO. DISPLAY
1	PLAY	Clamp DISC 1 1. FOCUS SERVO .....ON 2. TRACKING SERVO .....ON 3. FEED SERVO .....ON	05
2	REPEAT	1.FOCUS SERVO .....ON 2. TRACKING SERVO .....OFF 3. FEED SERVO .....OFF	03
3	DISC1	PLAY T NO.16	16
4	STOP	STOP	01
5	DISC2	SELECTED DISC1, SHIPMENT POSITION.	— — —

ADJUSTMENT

IG. (b)



CH1
RF signal

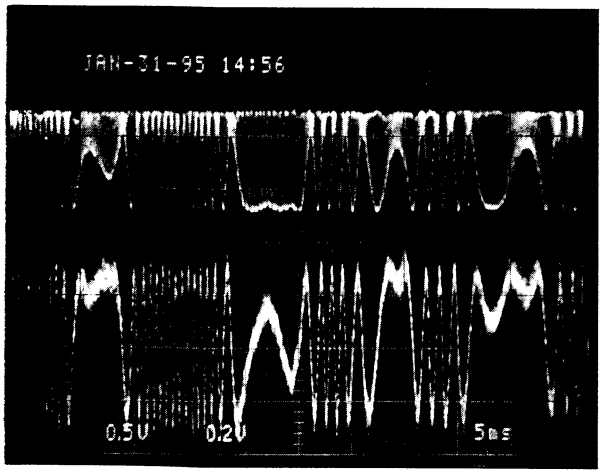
◄VC

◄ 0 (V)

CH2
TE signal

● RF signal and TE signal in test mode (PLAY).

IG. (c)



CH1
RF signal

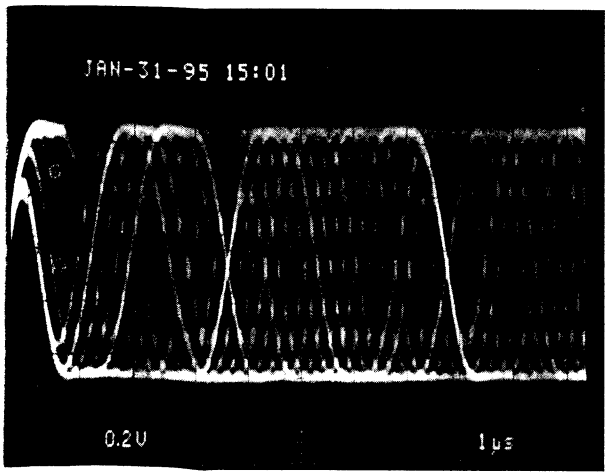
◄VC

◄VC

CH2
TE signal

● RF signal and TE signal in test mode (Focusing servo ON / Tracking servo OFF). (Disc Type 4)
● Adjust TE signal so that the waveform is symmetrical in relation to VC. VR 3 (TE BALANCE)

IG. (d)

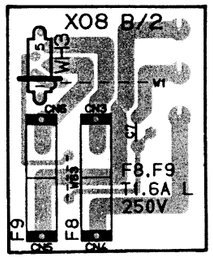


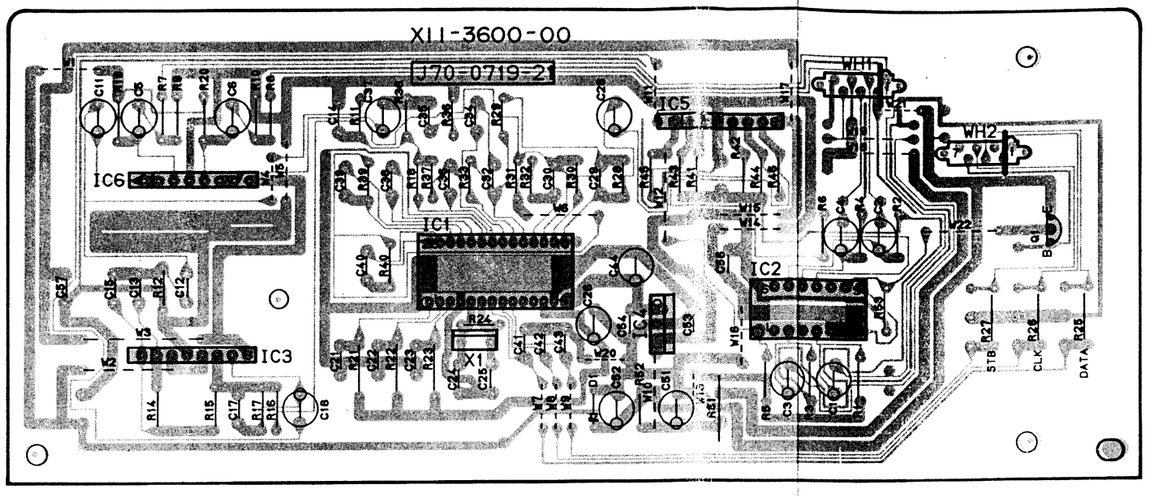
RF signal
: AC coupled

● RF signal in test mode (PLAY).
● Perform the tangential and focusing offset are focused into one point on the display. The crossing points above and below the center shall also be looked clearly.

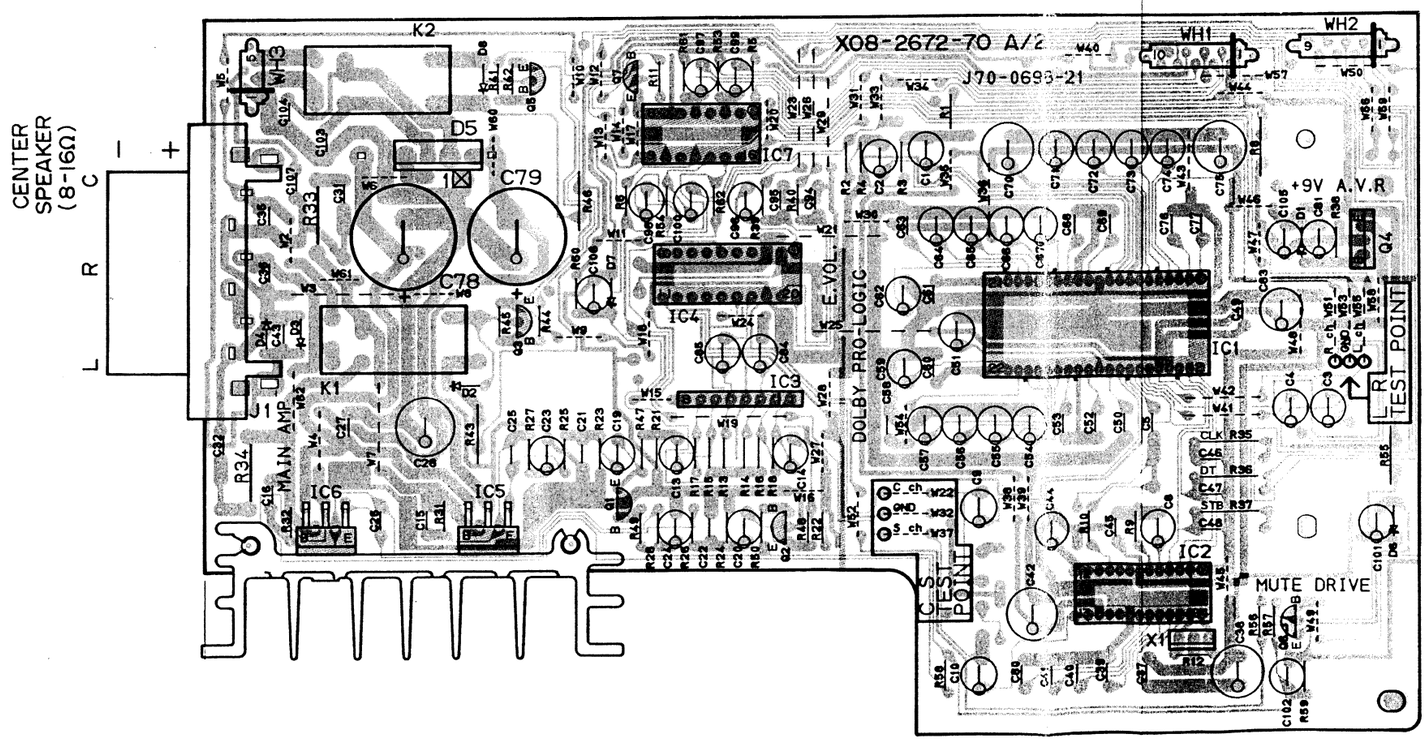
PC BOARD(COMPONENT SIDE VIEW)

CONTROL UNIT (X11-3600-00) : RXD-F42



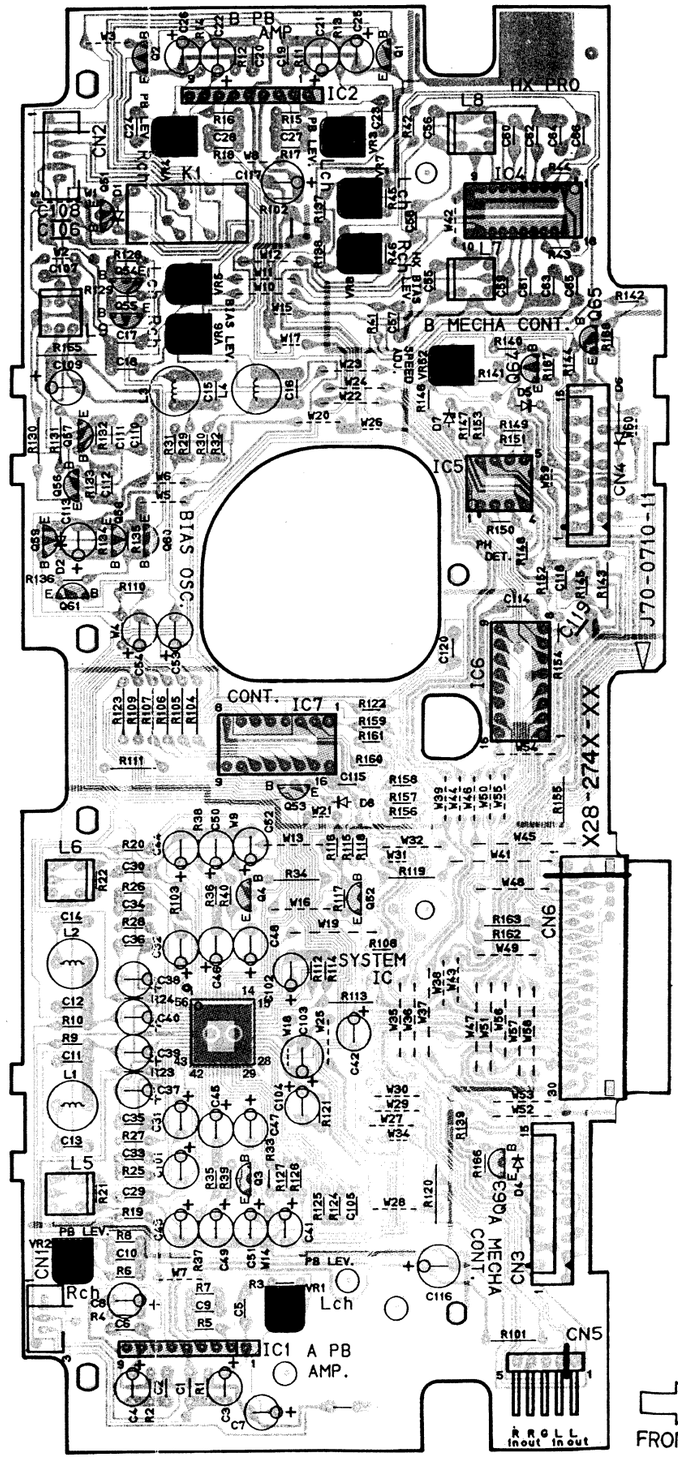


SURROUND UNIT (X08-267X-XX) : RXD-F4/F4L/F42

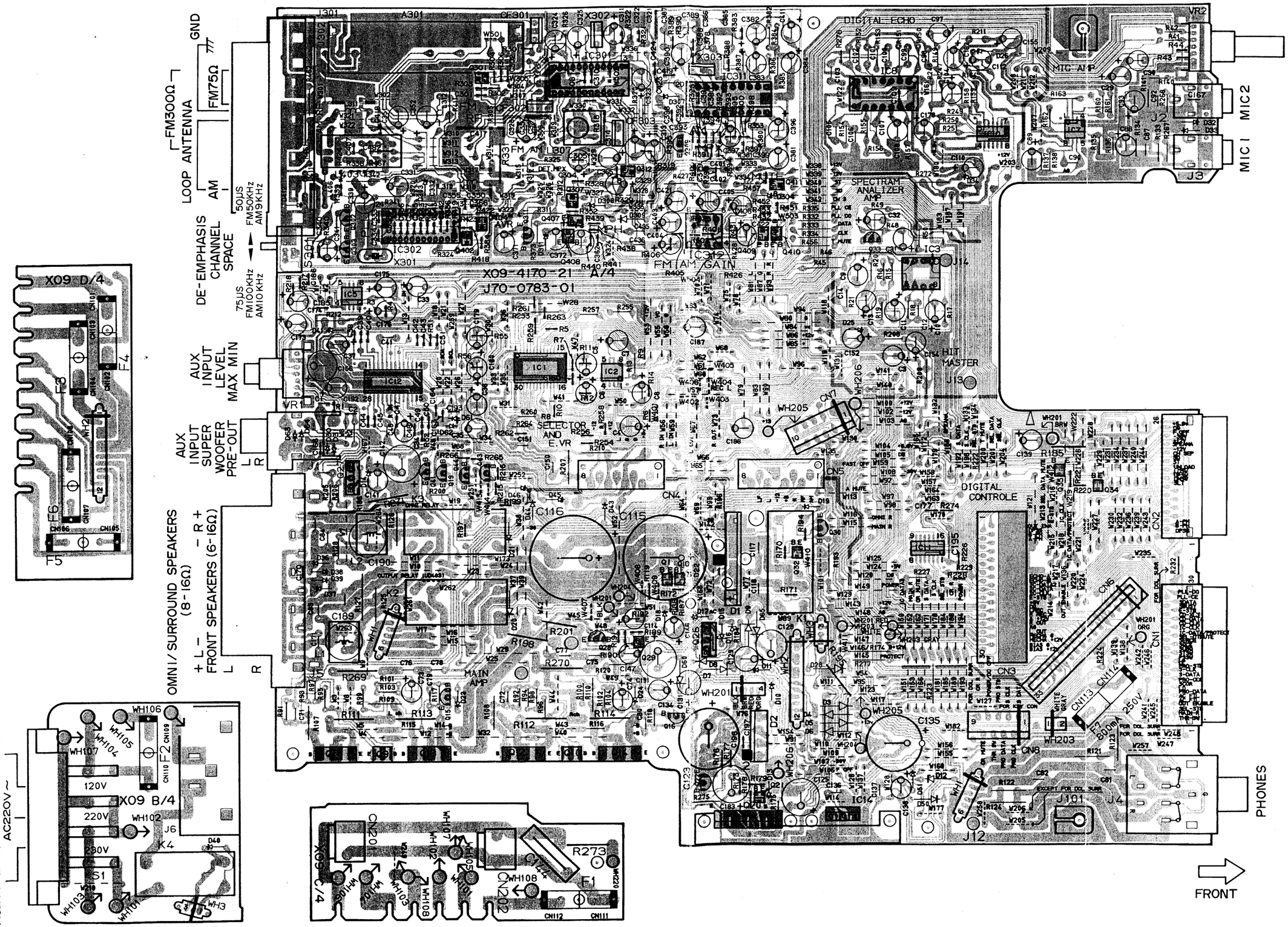


Refer to the schematic diagram for the value of resistors and capacitors.

RECORD / PLAY BACK UNIT (X28-)

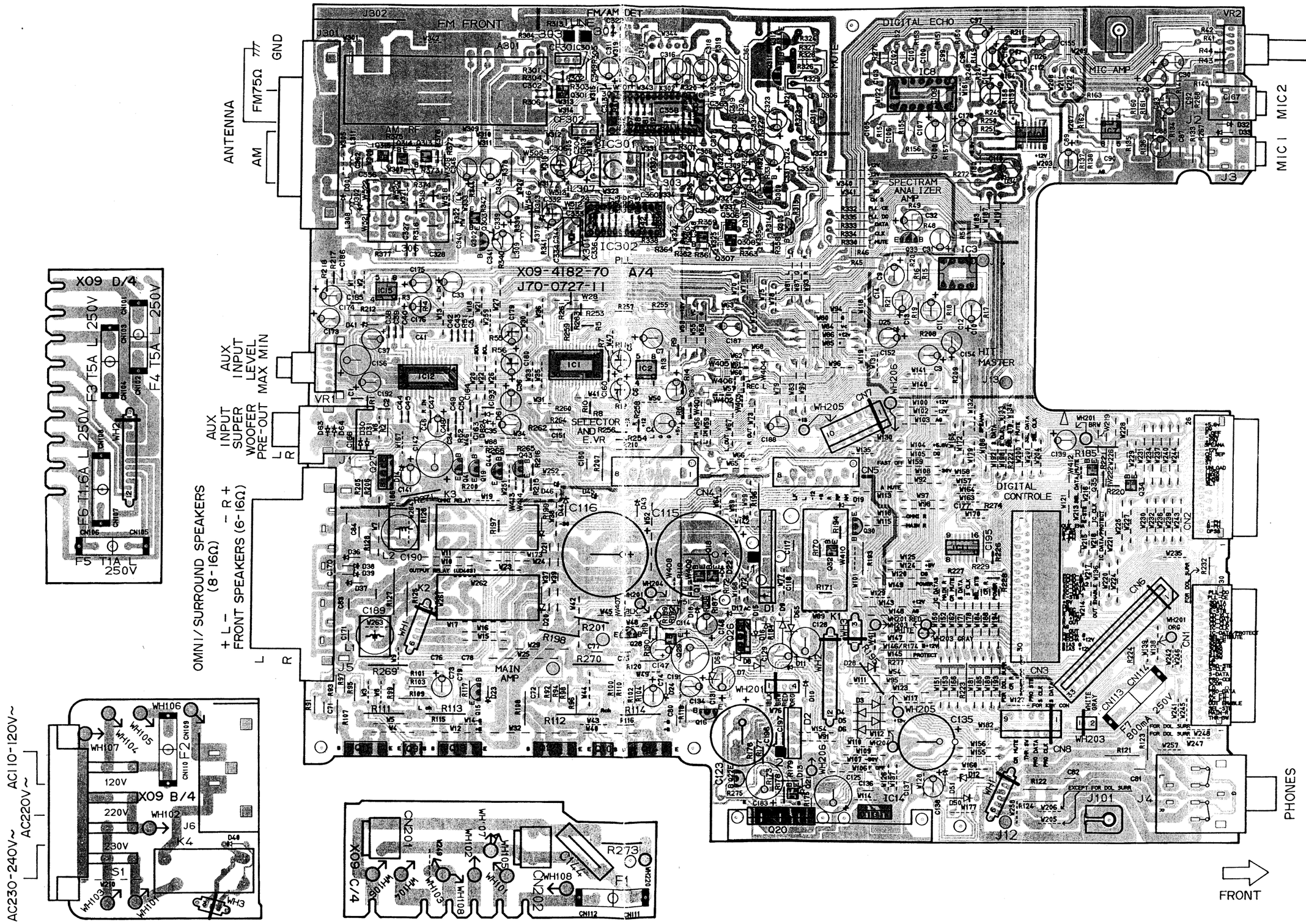


PC BOARD(COMPONENT SIDE VIEW) AUDIO UNIT(X09-) : K,R,P,Y,M,X type



Refer to the schematic diagram for the value of resistors and capacitors.

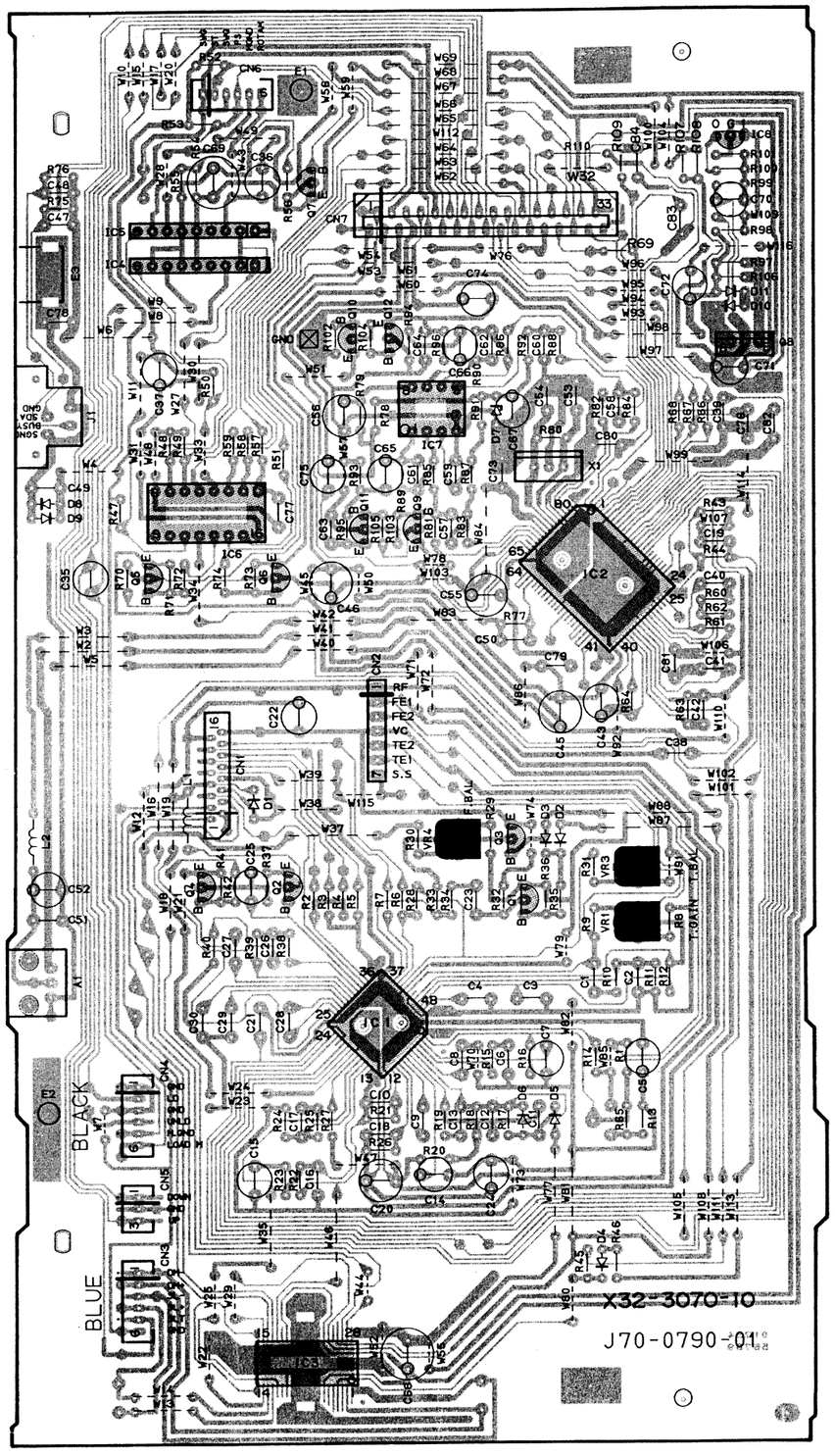
PC BOARD(COMPONENT SIDE VIEW) AUDIO UNIT(X09-) : T,E,G type



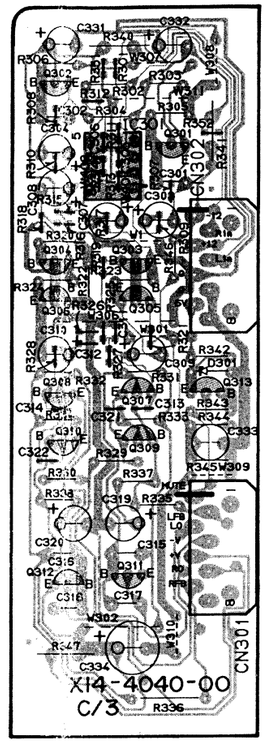
Refer to the schematic diagram for the value of resistors and capacitors.

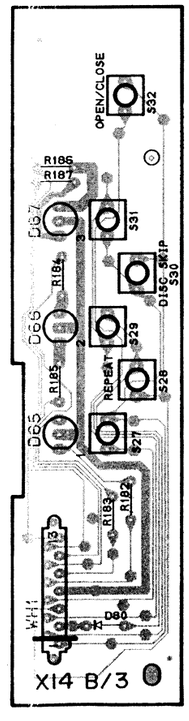
PC BOARD(COMPONENT SIDE VIEW)

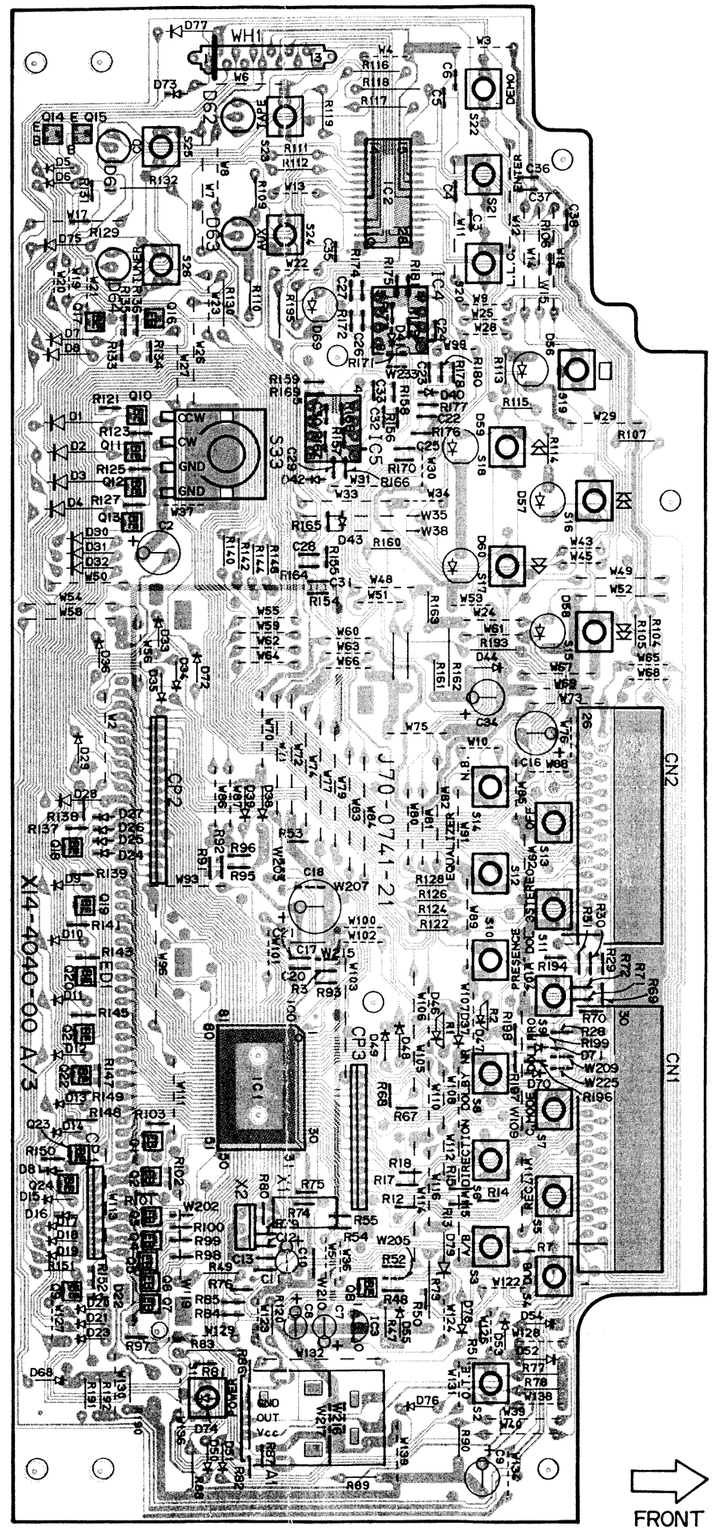
CD PLAYER UNIT(X32-)



DISPLAY UNIT(X14-)

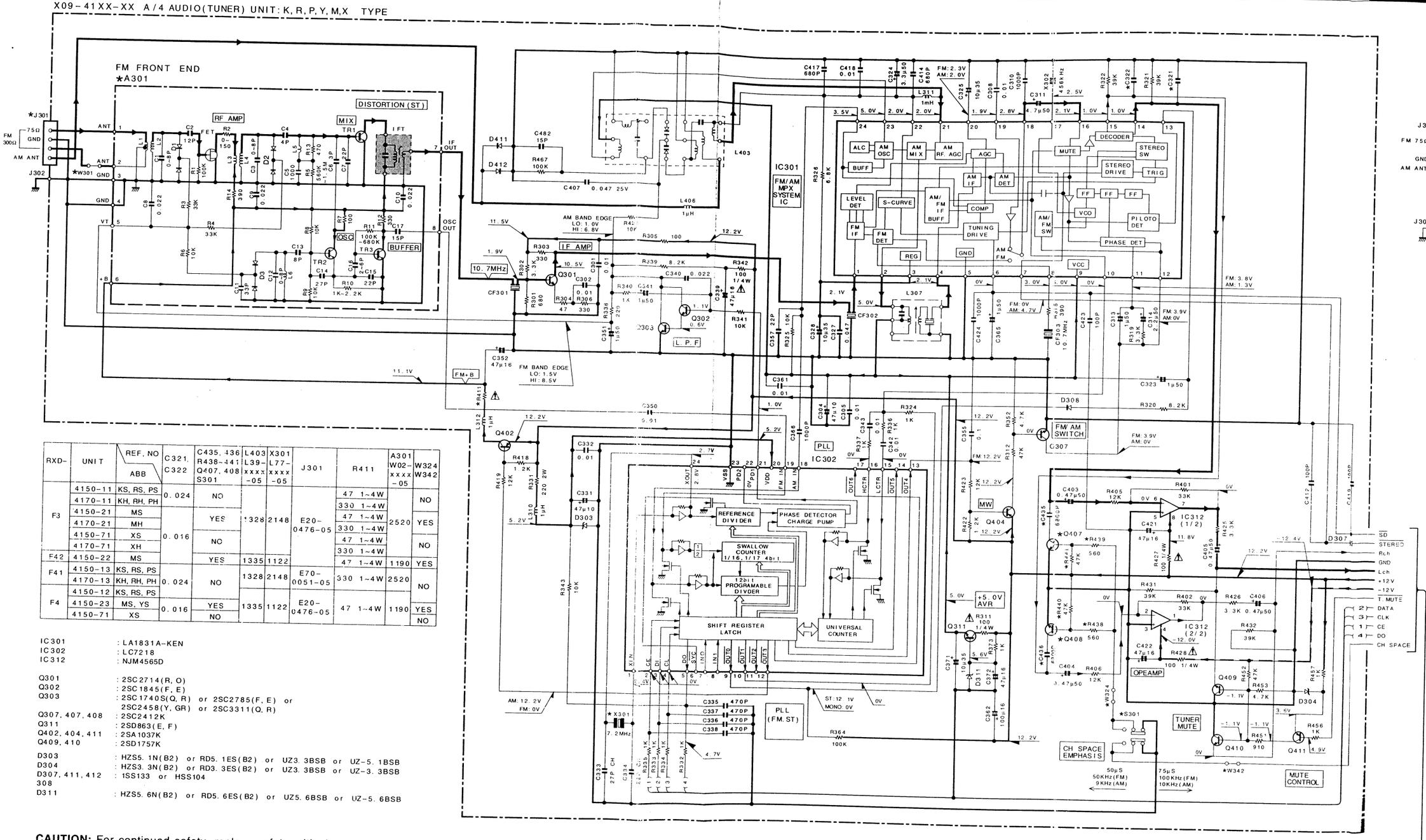






Refer to the schematic diagram for the value of resistors and capacitors.

X09-41XX-XX A/4 AUDIO(TUNER) UNIT: K, R, P, Y, M, X TYPE



RXD-	UNIT	REF. NO / ABB	C321, C322	C435, 436 R438~441 Q407, 408 S301	L403 L39- xxxx -05	X301 L77- xxxx -05	J301	R411	A301 W02- xxxx -05	W324 W342
F3	4150-11	KS, RS, PS	0.024	NO	1328	2148	E20-0476-05	47 1~4W	2520	NO
	4170-11	KH, RH, PH						330 1~4W		
	4150-21	MS	0.016	YES				47 1~4W		YES
	4170-21	MH						330 1~4W		
	4150-71	XS		NO				47 1~4W		NO
	4170-71	XH						330 1~4W		
F42	4150-22	MS		YES	1335	1122		47 1~4W	1190	YES
F41	4150-13	KS, RS, PS	0.024	NO	1328	2148	E70-0051-05	330 1~4W	2520	NO
	4170-13	KH, RH, PH								
	4150-12	KS, RS, PS								
F4	4150-23	MS, YS	0.016	YES	1335	1122	E20-0476-05	47 1~4W	1190	YES
	4150-71	XS		NO						NO

IC301 : LA1831A-KEN
IC302 : LC7218
IC312 : NJM4565D

Q301 : 2SC2714(R, O)
Q302 : 2SC1845(F, E)
Q303 : 2SC1740S(Q, R) or 2SC2785(F, E) or 2SC2458(Y, GR) or 2SC3311(Q, R)
Q307, 407, 408 : 2SC2412K
Q311 : 2SD863(E, F)
Q402, 404, 411 : 2SA1037K
Q409, 410 : 2SD1757K

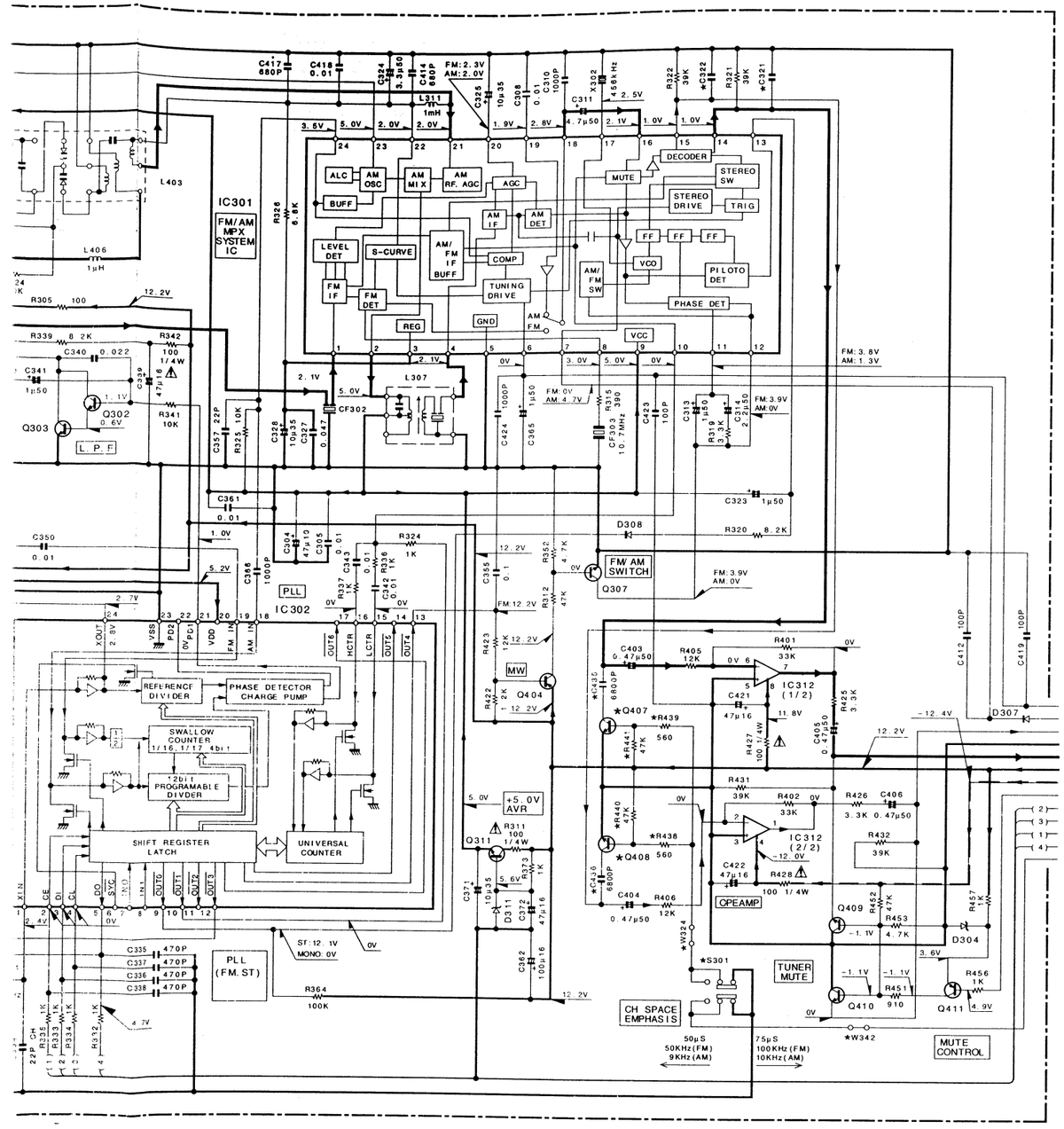
D303 : HZS5.1N(B2) or RD5.1ES(B2) or UZ3.3BSB or UZ-5.1BSB
D304 : HZS3.3N(B2) or RD3.3ES(B2) or UZ3.3BSB or UZ-3.3BSB
D307, 411, 412 : 1SS133 or HSS104
308
D311 : HZS5.6N(B2) or RD5.6ES(B2) or UZ5.6BSB or UZ-5.6BSB

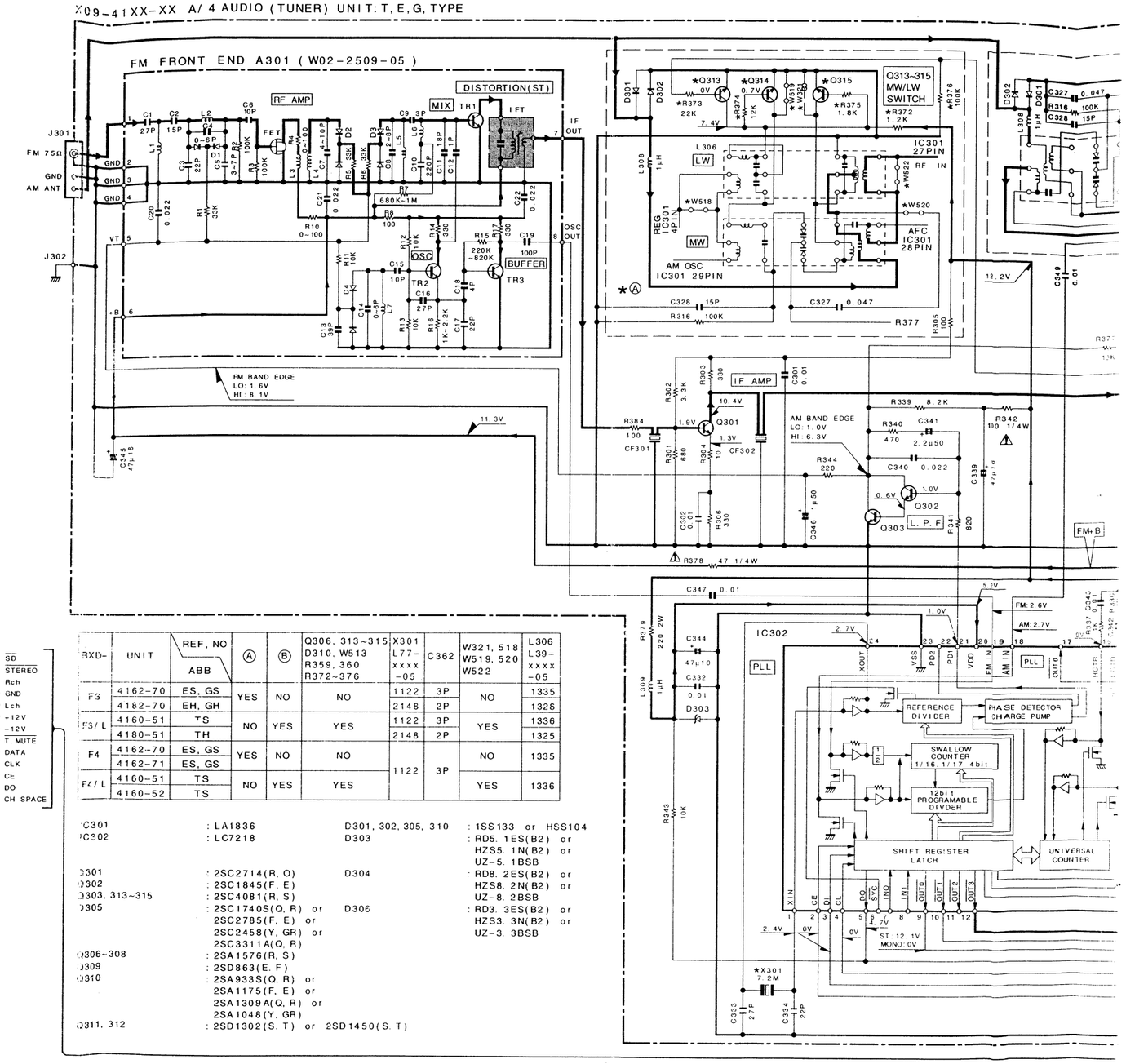
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

(NOTE) The DC voltage is an actual reading measured with a high impedance type voltmeter as the AM/FM signal generator is specified to the conditions as shown in the list below.
The measurement value may vary depending on the measuring instruments used or on the product. the value shown in ( ) is actual reading measured in the AM mode.

MODE	CARRIER	MODULATION		ANT INPUT
		FREQUENCY	DEVIATION	
FM	98MHz	1KHz	STEREO 67.5KHz 7.5KHz(Pilot)	60dB
AM	1000(999)KHz	400Hz	MONO 30% MOD	60dB

X09-41XX-XX A/4 AUDIO (TUNER) UNIT: T, E, G, TYPE





RXD-	UNIT	REF, NO / ABB	Ⓐ	Ⓑ	Q306, 313~315 D310, W513 R359, 360 R372~376	X301 L77-xxxx-05	C362	W321, 518 W519, 520 W522	L306 L39-xxxx-05
F3	4162-70	ES, GS	YES	NO	NO	1122	3P	NO	1335
	4182-70	EH, GH				2148	2P		1328
F3/L	4160-51	TS	NO	YES	YES	1122	3P	YES	1336
	4180-51	TH				2148	2P		1325
F4	4162-70	ES, GS	YES	NO	NO	1122	3P	NO	1335
	4162-71	ES, GS							
F4/L	4160-51	TS	NO	YES	YES			YES	1336
	4160-52	TS							

IC301 : LA1836
IC302 : LC7218

Q301 : 2SC2714(R, O)
Q302 : 2SC1845(F, E)
Q303, 313~315 : 2SC4081(R, S)
Q305 : 2SC1740S(Q, R) or 2SC2785(F, E) or 2SC2458(Y, GR) or 2SC3311A(Q, R)
Q306~308 : 2SA1576(R, S)
Q309 : 2SD863(E, F)
Q310 : 2SA933S(Q, R) or 2SA1175(F, E) or 2SA1309A(Q, R) or 2SA1048(Y, GR)
Q311, 312 : 2SD1302(S, T) or 2SD1450(S, T)

D301, 302, 305, 310 : 1SS133 or HSS104
D303 : RD5.1ES(B2) or HZS5.1N(B2) or UZ-5.1BSB
D304 : RD8.2ES(B2) or HZS8.2N(B2) or UZ-8.2BSB
D306 : RD3.3ES(B2) or HZS3.3N(B2) or UZ-3.3BSB

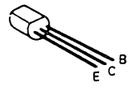
easured with a high impedance
s specified to the conditions as

n the measuring instruments
s actual reading measured in

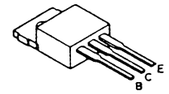
MODE	CARRIER	MODULATION		ANT INPUT
		FREQUENCY	DEVIATION	
FM	98MHz	1KHz	STEREO 67.5KHz 7.5KHz(Pilot)	60dB
AM	1000(999)KHz	400Hz	MONO 30% MOD	60dB

2SA1534A
2SA954
2SA992
2SC1845
2SC1923
2SC2003
2SC2878

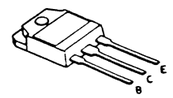
2SC3246
2SC3940A
2SD1302
2SD863



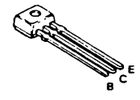
2SB1565



2SB1565
2SB1624
2SD2493



2SA1175
2SC2785



DTA[24ES
DTC[24ES
UN4[12
2SA[O48
2SA[33S
2SC[740S
2SC[458

NER) UNIT: T, E, G, TYPE

(W02-2509-05)

Q306, 313~315 D310, W513 R359, 360 R372~376	X301 L77-xxxx-05	C362	W321, 518 W519, 520 W522	L306 L39-xxxx-05
NO	1122	3P	NO	1335
	2148	2P		1328
YES	1122	3P	YES	1336
	2148	2P		1325
NO	1122	3P	NO	1335
YES			YES	1336

D301, 302, 305, 310 : 1SS133 or HSS104
D303 : RD5.1ES(B2) or HZS5.1N(B2) or UZ-5.1BSB
D304 : RD8.2ES(B2) or HZS8.2N(B2) or UZ-8.2BSB
D306 : RD3.3ES(B2) or HZS3.3N(B2) or UZ-3.3BSB

or
or
or
or
or 2SD1450(S.T)

2SC3246
2SC3940A
2SD1302
2SD863

2SB1565

2SB1565
2SB1624
2SD2493

2SA1175
2SC2785

DTA124ES
DTC124ES
UN4112
2SA1048
2SA933S
2SC1740S
2SC2458

DTC124EU
2SA1037K
2SA1576
2SC2412K
2SC2714
2SC4081
2SD1757K

2SC4137

2SB1370
2SD2061

SIGNAL LINE
GND LINE
+B LINE
-B LINE

RXD-F3/F4/F41/F42 (1/6)

Y39-2130-11

RXD-F3/F4/F41/F42

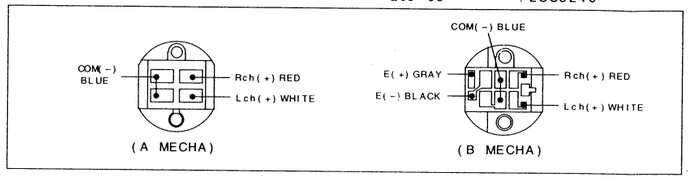
KENWOOD

MODEL NAME	X28-27	ABB
F3	40-00	KW, RW, PW, MW, XW
		KS, RS, PS, MS, XS
F4, F41, F42		YW, MW, XW
		YS, MS, XS
F3	42-71	TW, EW, GW
F4, F41, F42		TS, ES, GS
F3	50-00	KH, RH, PH, MH, XH
	52-71	TH, EH, GH

IC1, 2 : TA8125S
IC3 : HA12182F
IC4 : μPC1297CA
IC5 : BA10393
IC6, 7 : BU4094BC

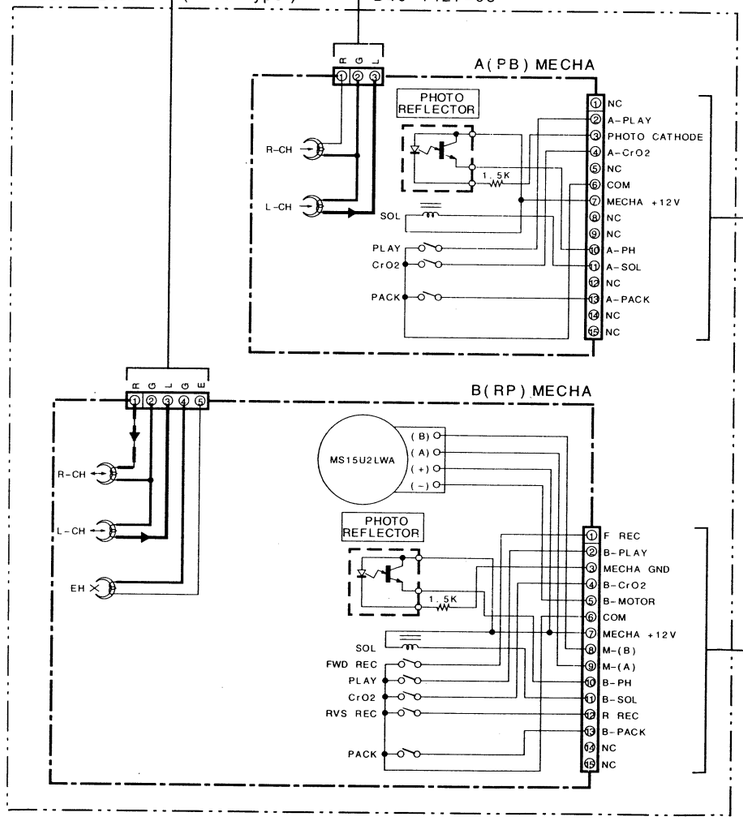
D1, 2, 4, 5, 6, 8 : 1SS133 or HSS104
D7 : UZ-2.7BSB or RD2.7ES(B2) or HZS2.7 (B2)

Q1, 2, 51, 61 : UN4212 or DTC124ES
Q3, 4 : 2SD1302(S, T) or 2SD1450 (S, T)
Q52, 56, 57, 59 : 2SC2785(F, E) or 2SC3311A(Q, R) or 2SC1740S(Q, R) or 2SC2458(Y, GR)
Q53 : UN4112 or DTA124ES
Q54, 55 : 2SC1845(F, E)
Q58 : 2SC3940A(R, S)
Q60 : 2SA992(F, E)
Q63~65 : 2SC3246

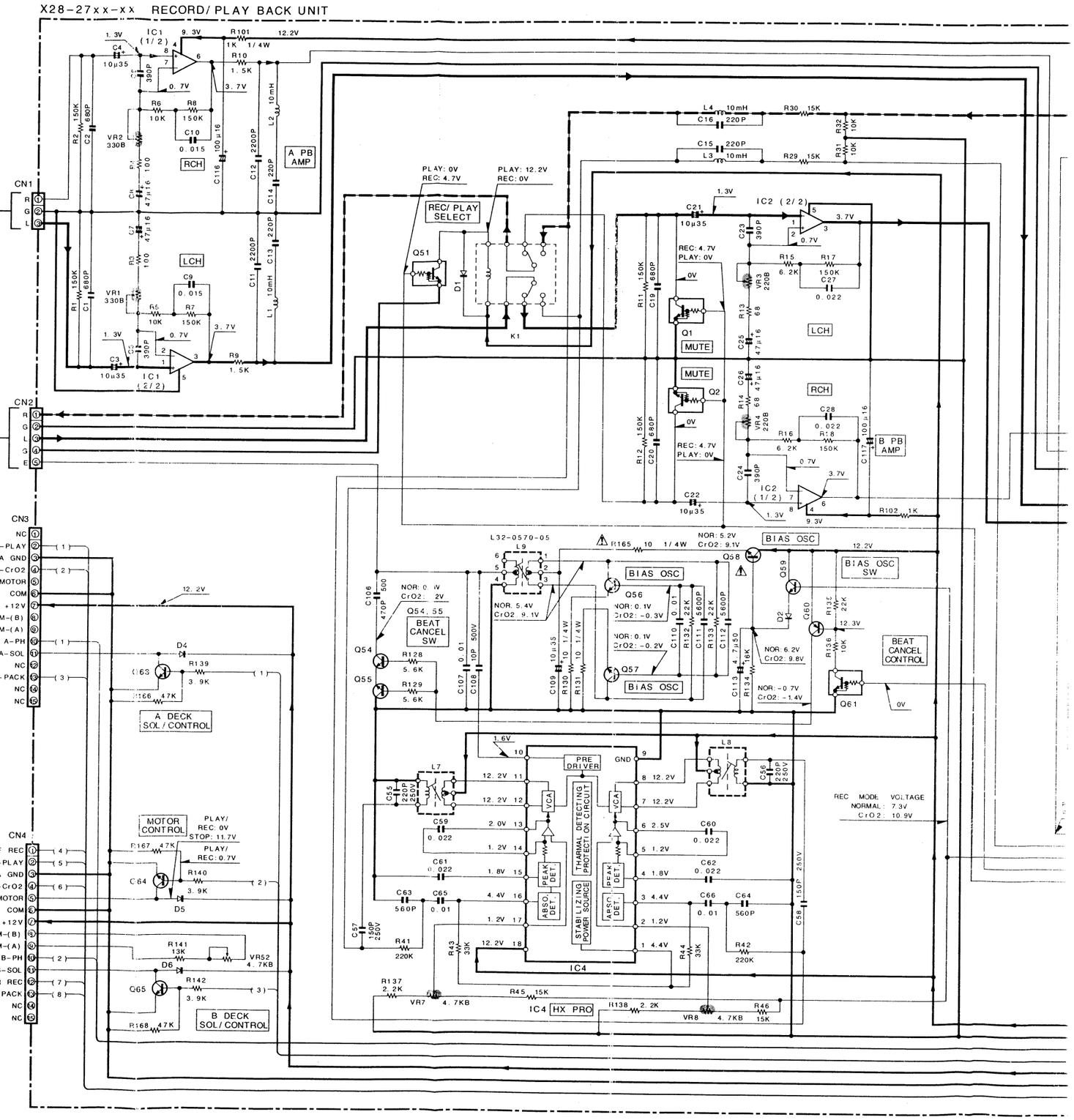


ROTARY HEAD

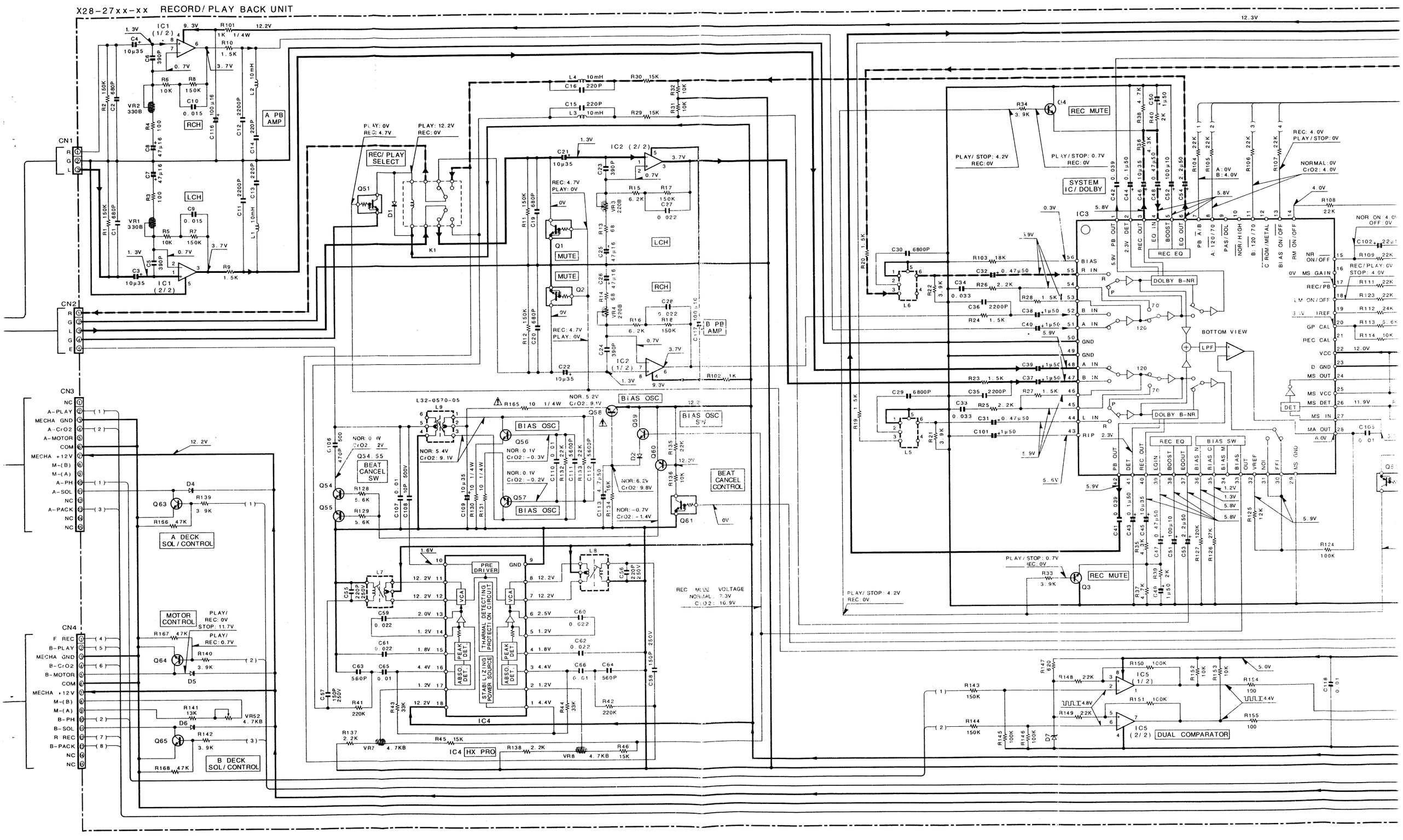
DECK MECHA (RVS type) D40-1427-08

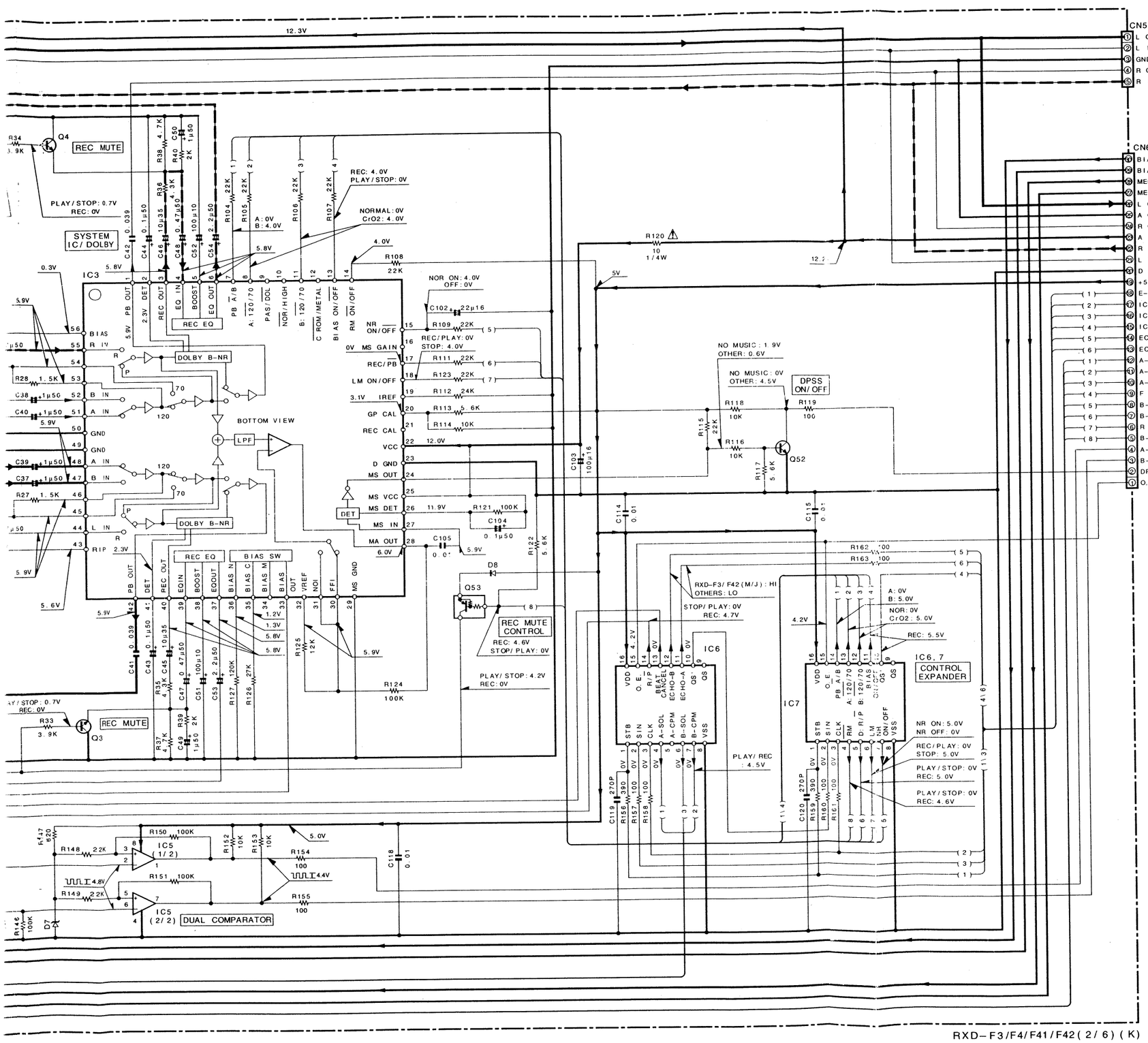


X28-27xx-xx RECORD/ PLAY BACK UNIT



X28-27xx-xx RECORD/ PLAY BACK UNIT





RXD-F3/F4/F41/F42(2/6)(K)

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

DOLBY and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation. Noise reduction circuit made under license from Dolby Laboratories Licensing Corporation.

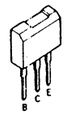
DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c doivent être mesurées avec un voltmétre á haute impédance Les valeurs peuvent différer légérement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels

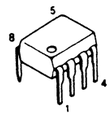
Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U geringfügig.

2SB1375
2SD2012

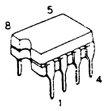
2SD1893



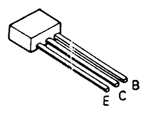
NJM2100D



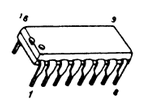
NJM4565D
NJM4565D-D



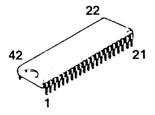
UN4212
2SA1309A
2SC3311A



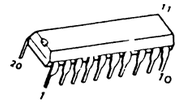
XRU4052BC



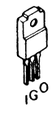
LA2785



TDA7315



UPC7805AHF



SIGNAL LINE
GND LINE
+B LINE
-B LINE

Y39-2130-11

RXD-F3/F4/F41/F42

KENWOOD

UNIT NO.	MODEL NAME	ABB
X32-2940-10	F3	KW, RW, PW, MW, XW, TW, EW, GW
X32-2960-10	F4	YW, MW, XW, TW, EW, GW
X32-2960-10	F3	KW, RW, PW, YW, MW, XW, TW, EW, GW

★CD MECHA D40-1412-08

X32-29xx-xx CD PLAER UNIT

IC1	: CXA1782BQ
IC2	: CXD2508AQ
IC3	: BA6398FP
IC4, 5	: TA8409S
IC6	: BU4094BC
IC7	: NJM2100D
IC8	: M5237L
Q1, 5	: 2SC2785(F, E) or 2SC1740S(Q, R) or 2SC3311A(Q, R) or 2SC2458(Y, GR)
Q2, 4	: 2SA954(L, K)
Q3	: DTA124ES or UN4112
Q6	: 2SA1534A(R, S)
Q7	: DTC124ES or UN4212
Q8	: 2SB1565(E, F) or 2SB1375
Q9, 10	: 2SA1175(F, E) or 2SA933S(Q, R) or 2SA1309A(Q, R) or 2SA1048(Y, GR)
Q11, 12	: 2SC2878(B)
D1~6, 10, 11	: 1SS133 or HSS104
D7	: MTZJ3.3(B) or RD3.3ES(B2) or HZS3.3N(B2)

UNIT NO.	MODEL NAME	ABB
XS2-2940-10	F3	KW, RW, PW, MW, XW, TW, EW, GW
	F4	YW, MW, XW, TW, EW, GW
XS2-2960-10	F3	KW, RW, PW, YW, MW, XW, TW, EW, GW

CD PLAER UNIT

CN3 CN4 CN5 CN6

PLAY: 3. 6V
STOP: 3. 2V

PLAY: 2. 8V
STOP: 3. 2V

TRAY CLOSE: 6. 0V
TRAY OPEN: 6. 0V
TRAY MOTOR DRIVE

IC5 ROTARY DRIVER

ROTARY ROTATE 4. 6V

IC6 CONTROL EXPANDER

IC4 LOAD

IC5 LOAD

BTL DRIVER IC3

CD-RF SERVO AMP

IC1 (BOTTOM VIEW)

DIGITAL SIGNAL PROCESSOR IC2 (BOTTOM VIEW)

ROTARY CONTROL DRIVE

+5V ON/OFF

TUNER: 5. 2V
OTHERS: 5. 0V

OFF: ONLY TUNER MODE
TUNER: 5. 1V
OTHERS: 4. 1V

RESET

+7. 3V AVR

IC8

FZC

APC ON/ OFF

APC

IC7 (1/2)

IC7 (2/2)

MUTE DRIVE

MUTE

LCH

RCH

AUDIO OUT PUT L. P. F

STOP. PAUSE: 4. 4V
PLAY: 0V

STOP. PAUSE: 0. 7V
PLAY: 0V

STOP. PAUSE: 3. 8V
PLAY: 0V

STOP. PAUSE: 0V

TO X14 C/3

MODEL NAME	X14-401 S, W MADE
FS	0-11
	0-21
	0-51
	0-71
F42	0-23
F4	0-12
	0-22
	0-52
	2-72
F41	0-13

X14 C/3

IC301 : NJ

D301 : RL
HA
UZ

Q301, 302, 307-310 : 2S
Q303-306 : 2S
Q311, 312 : 2S
Q313 : 2S
Q313 : 2S

X14 C/3

MODEL NAME	X14-401 S, W MADE	X14-403 H MADE	ABB	R337, R338	R303~314, C301~306, Q301, 302	C313, ~316	C317, C318	C321, C322	W401, W402
F3	0-11	0-11	K, R, P	91	YES	NO	100P	1000P	NO
	0-21	0-21	M	100			68P	680P	
	0-51	0-51	T			YES	220P	1500P	
	0-71	2-71	X, E, G						
F42	0-23	NO	M	100	YES	NO	68P	680P	NO
F4	0-12	NO	K, R, P	91	YES	NO	100P	1000P	NO
	0-22	NO	Y, M	100			68P	680P	
	0-52	NO	T			YES	220P	1500P	
	2-72	NO	E, G, X						
F41	0-13	0-13	K, R, P	91	NO	NO	100P	1000P	YES

X14 C/3

IC301 : NJM4565D-D

D301 : RD3.9ES(B2) or HZS3.9N(B2) or UZ-3.9BSB(F4, F42 ONLY)

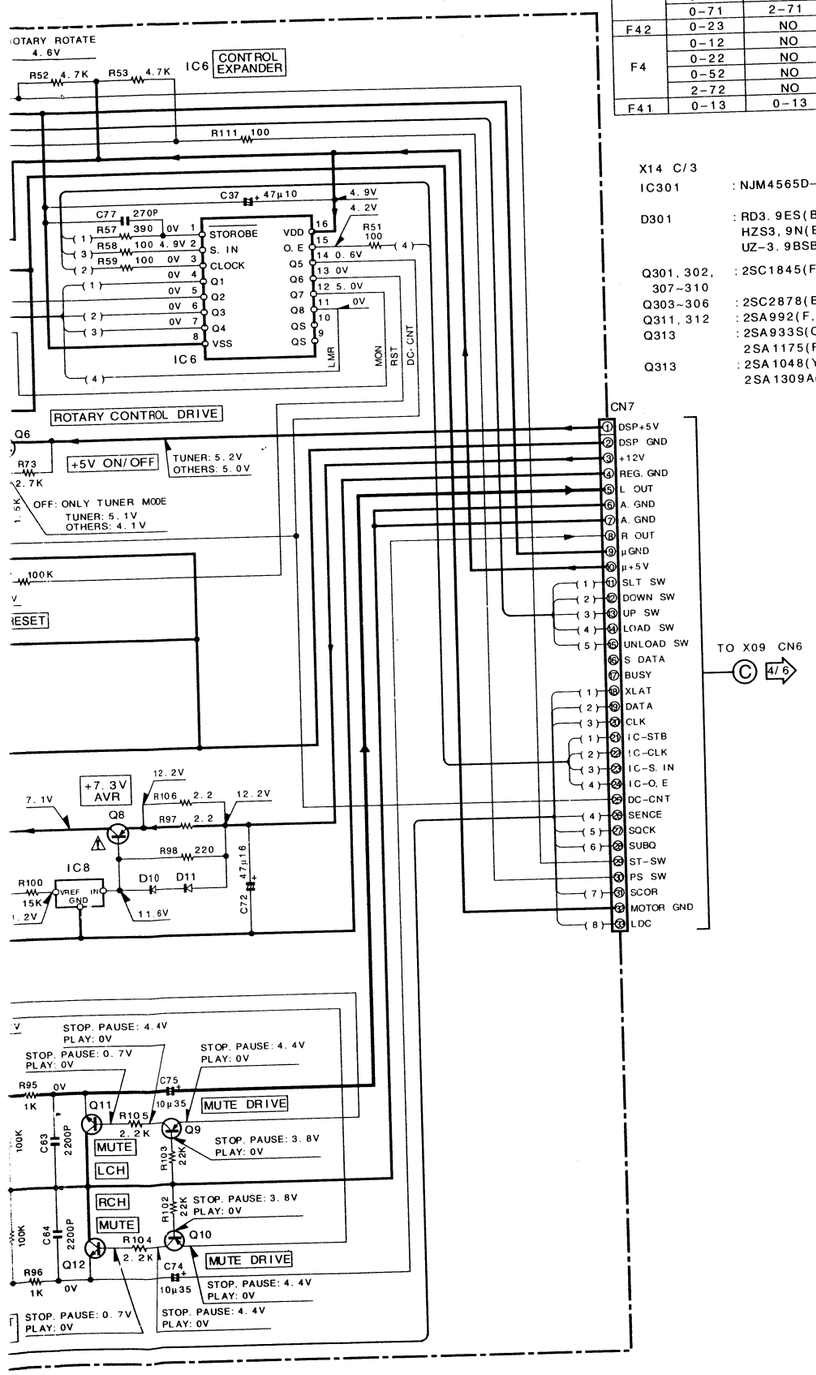
Q301, 302, 307~310 : 2SC1845(F, E)

Q303~306 : 2SC2878(B)

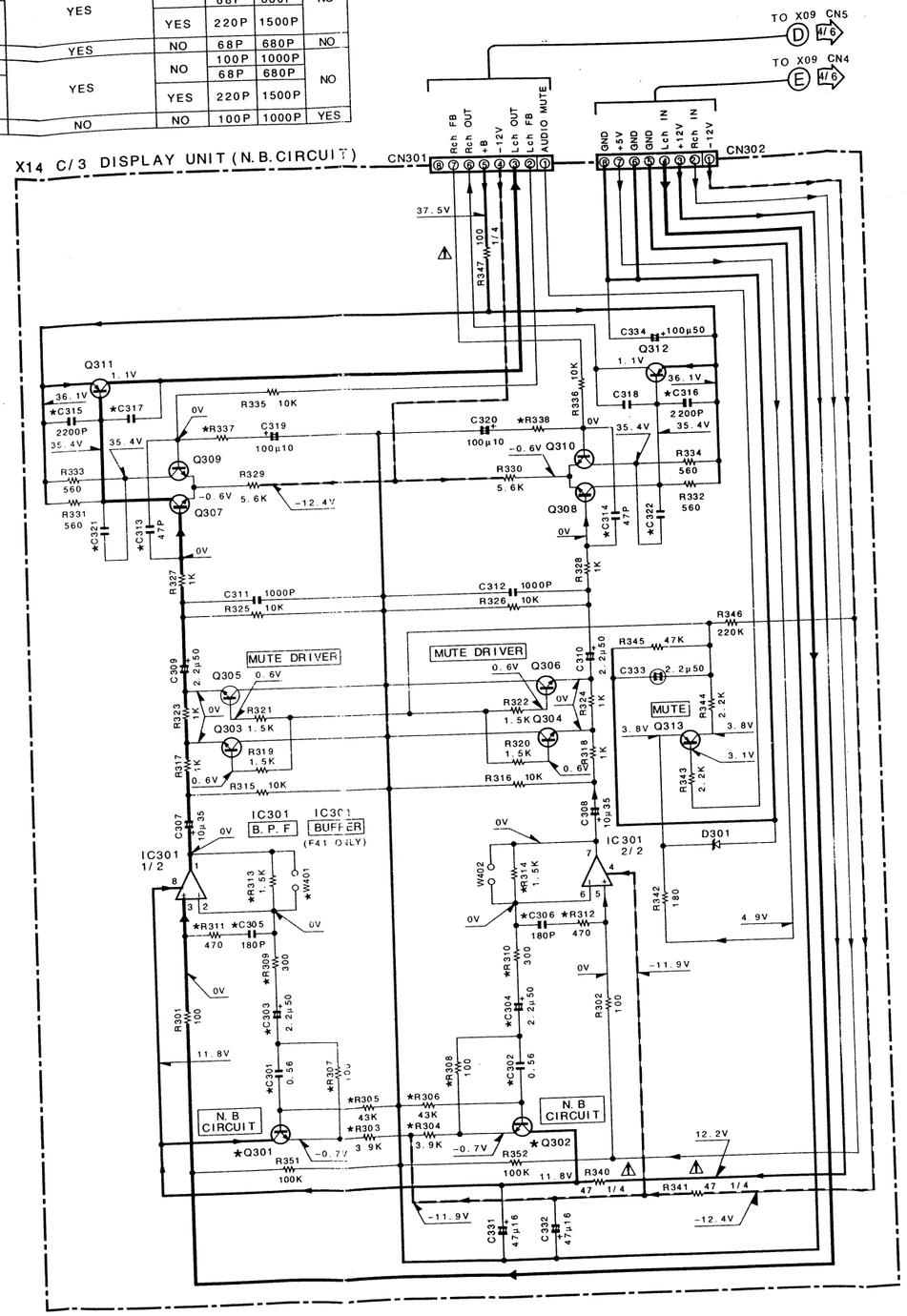
Q311, 312 : 2SA992(F, E)

Q313 : 2SA933S(Q, R) or 2SA1175(F, E)

Q313 : 2SA1048(Y, GR) or 2SA1309A(Q, R)



X14 C/3 DISPLAY UNIT (N.B.CIRCUIT)



SIGNAL LINE
GND LINE
+B LINE
-B LINE

RXD-F3/F4/F41/F42(3/6)(K)

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

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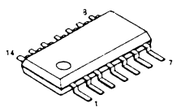
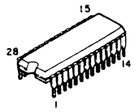
Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U geringfügig.

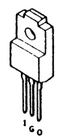
BU4066BCF



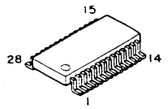
M65840SP



TA7805S



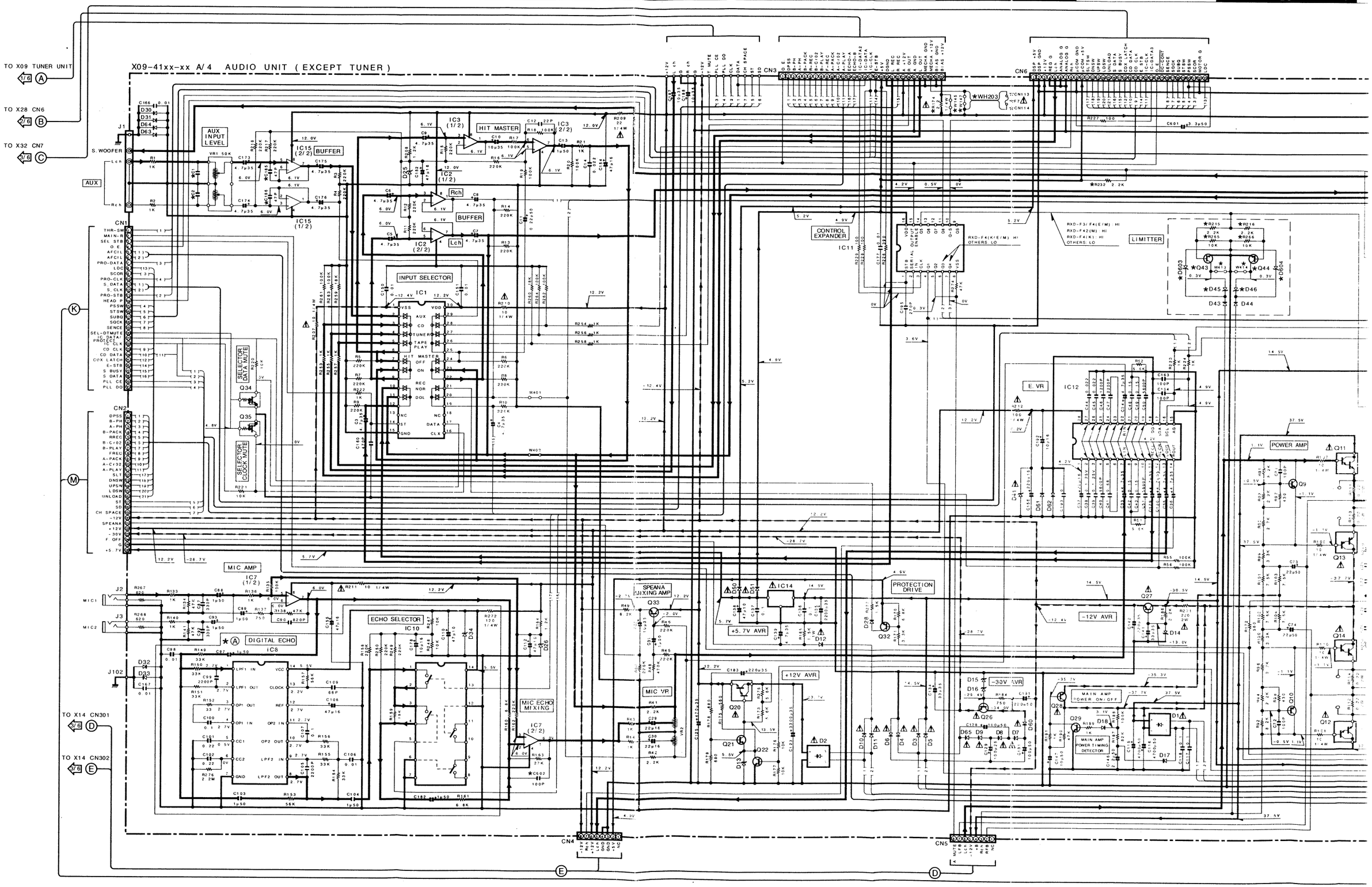
NJU3718G



Y39-2130-11

RXD-F3/F4/F41/F4

KENWOOD



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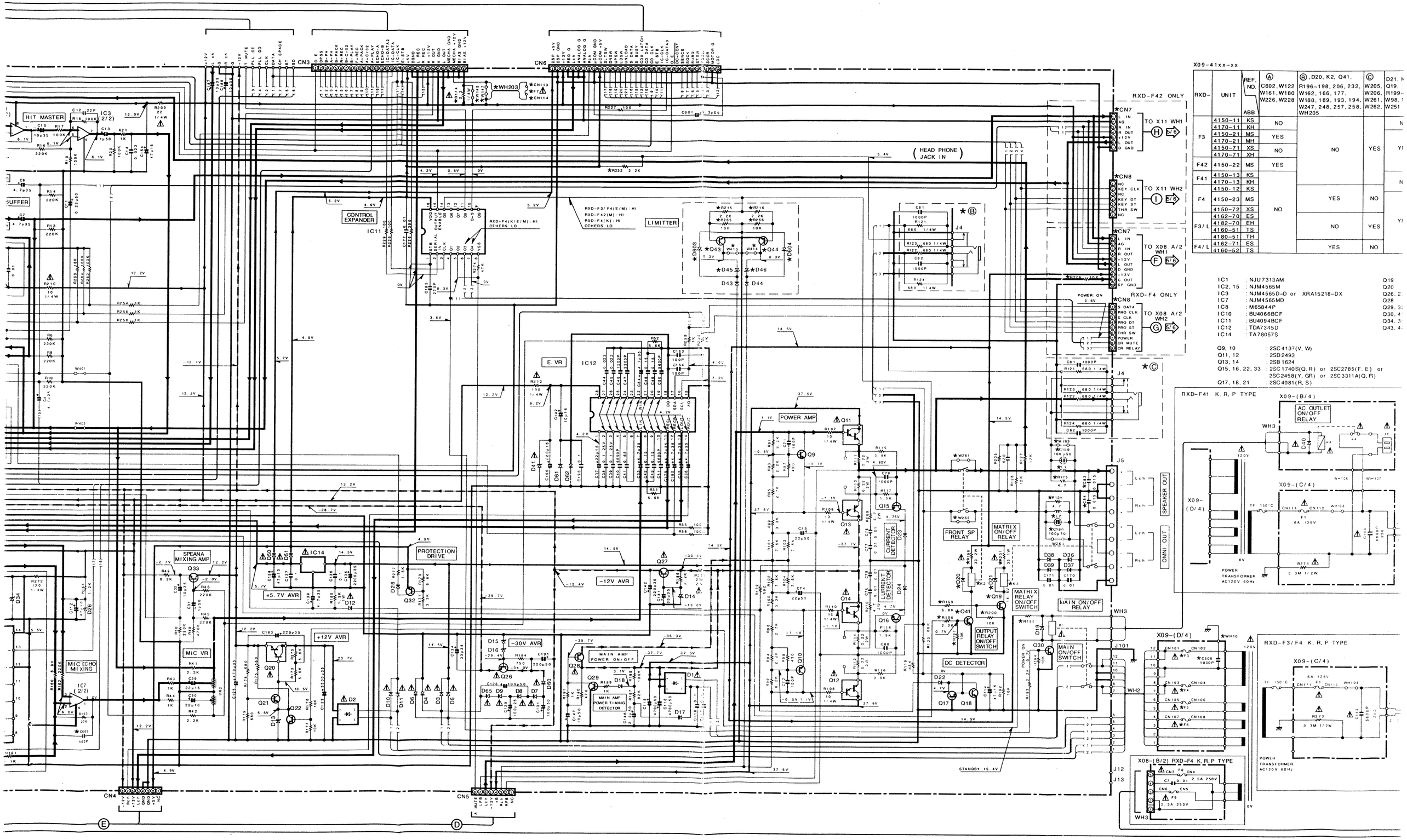
Les tensions c.c doivent êtr
impédance Les valeurs pe
variations inhérentes aux a
individuels



X09-41xx-xx

RXD-	UNIT	REF. NO. ABB	Ⓐ C602, W122 W161, W180 W226, W228	Ⓑ, D20, K2, Q41, R196-198, 206, 232, W162, 166, 177, W188, 189, 193, 194, W247, 248, 257, 258, WH205	Ⓒ W205, W206, W261, W262,	D21, K Q19, R199- W98, 1 W251
F3	4150-11	KS	NO	NO	YES	N
	4170-11	KH				
	4150-21	MS	YES			Yl
	4170-21	MH				
	4150-71	XS	NO			
	4170-71	XH				
F42	4150-22	MS	YES			
F41	4150-13	KS	NO			N
	4170-13	KH				
F4	4150-12	KS		YES	NO	
	4150-23	MS				
	4150-72	XS				
	4162-70	ES				Yl
F3/ L	4182-70	EH		NO	YES	
	4160-51	TS				
	4180-51	TH				
F4/ L	4162-71	ES		YES	NO	
	4160-52	TS				

IC1 : NJU7313AM
IC2, 15 : NJM4565M
IC3 : NJM4565D-D or XRA15218-DX
IC7 : NJM4565MD
IC8 : M65844P
IC10 : BU4066BCF
IC11 : BU4094BCF
IC12 : TDA7345D
IC14 : TA78057S

Q9, 10 : 2SC4137(V, W)
Q11, 12 : 2SD2493
Q13, 14 : 2SB1624
Q15, 16, 22, 33 : 2SC1740S(Q, R) or 2SC2785(F, E) or 2SC2458(Y, GR) or 2SC3311A(Q, R)
Q17, 18, 21 : 2SC4081(R, S)
Q19
Q20
Q26, 2
Q28
Q29, 3
Q30, 4
Q34, 3
Q43, 4

d parts (refer to with same type l be carried out ɔmer.

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X09-41xx-xx

RXD-	UNIT	REF. NO. ABB	Ⓐ C602, W122 W161, W180 W226, W228	Ⓑ, D20, K2, Q41, R196~198, 206, 232, W162, 166, 177, W188, 189, 193, 194, W247, 248, 257, 258, WH205	Ⓒ W205, W206, W261, W262,	D21, K3, Q19, R199~201, W98, 116, W251	C1, 2	C83, 84, C185, C186, L1, 2 R125, R126	C183	C189, C190	C500, WH10	R174	R195	CN7, CN8, W130	CN113, CN114 WH203, WH220	WH101~ WH105	J4 E70-xxxx-05	J5 E70-xxxx-05	F3, 4	F5	F6	F7	D45, 46	D603, D604	W145	W147	W249	W263, W264	W401, W402
F3	4150-11	KS	NO	NO	YES	NO	220P	NO	CE04LW1V221M	NO	YES	YES	33 2W	NO	YES	NO	0282	0032	6A 125V	1.25A 250V	2A 125V	YES	NO	YES	NO	NO	NO	YES	YES
	4170-11	KH				YES					NO	NO			NO	YES	0280						RD30ES(B2) or HZS30N(B2)				YES		
	4150-21	MS	YES								YES					NO	0282												
	4170-21	MH															0280	0048	T5AL 250V	T1AL 250V	T1.6AL 250V	NO	RD10ES(B2) or HZS10N(B2) or UZ-10BSB	NO	YES	YES			NO
	4150-71	XS	NO								NO					YES	0282												
	4170-71	XH															0280												
F42	4150-22	MS	YES								YES	YES				YES	0282												
F41	4150-13	KS				NO				YES			15 2W				0280	0032	6A 125V	1.25A 250V	2A 250V	YES	RD30ES(B) or HZS30N(B)	YES	NO	NO	NO	NO	YES
	4170-13	KH																					NO						
	4150-12	KS							C90-3398-05																			YES	NO
F4	4150-23	MS	NO	YES	NO						YES	NO				NO	0282	0048											
	4150-72	XS																											
F3/L	4162-70	ES		NO	YES	YES	470P	YES	CE04LW1V221M	NO	NO		33 2W	NO	NO		0280	0032	T5AL 250V	T1AL 250V	T1.6AL 250V	NO	RD10ES(B2) or HZS10N(B2) or UZ-10BSB	NO	YES	YES	YES	NO	YES
	4182-70	EH															0282	0048											
	4160-51	TS															0280	0032											NO
	4180-51	TH															0282	0048											
F4/L	4162-71	ES		YES	NO																								
	4160-52	TS																											

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IC7 : NJM4565MD
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IC14 : TA78057S

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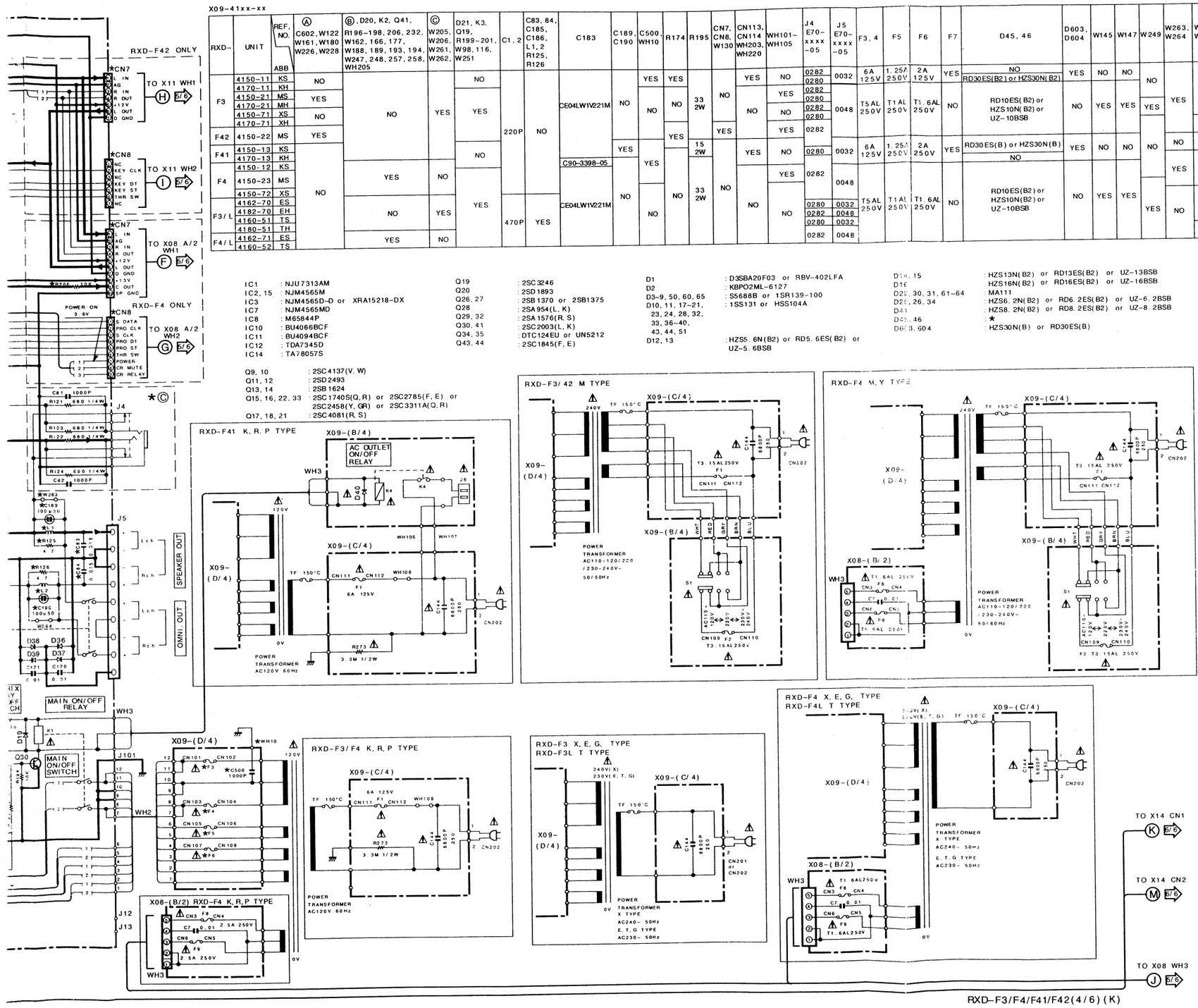
Q11, 12 : 2SD2493
Q13, 14 : 2SB1624
Q15, 16, 22, 33 : 2SC1740S(Q, R) or 2SC2785(F, E) or 2SC2458(Y, GR) or 2SC3311A(Q, R)
Q17, 18, 21 : 2SC4081(R, S)

Q19 : 2SC3246
Q20 : 2SD1893
Q26, 27 : 2SB1370 or 2SB1375
Q28 : 2SA954(L, K)
Q29, 32 : 2SA1576(R, S)
Q30, 41 : 2SC2003(L, K)
Q34, 35 : DTC124EU or UN5212
Q43, 44 : 2SC1845(F, E)

D1 : D3SBA20F03 or RBV-402LFA
D2 : KBPC2ML-6127
D3~9, 50, 60, 65 : S5688B or 1SR139-100
D10, 11, 17~21, 23, 24, 28, 32, 33, 36~40, 43, 44, 51 : 1SS131 or HSS104A
D12, 13 : HZS5.6N(B2) or RD5.6ES(B2) or UZ-5.6BSB
D14, 15 : HZS13N(B2) or RD13ES(B2) or UZ-13BSB
D16 : HZS16N(B2) or RD16ES(B2) or UZ-16BSB
D22, 30, 31, 61~64 : MA111
D25, 26, 34 : HZS6.2N(B2) or RD6.2ES(B2) or UZ-6.2BSB
D41 : HZS8.2N(B2) or RD8.2ES(B2) or UZ-8.2BSB
D45, 46 : ★
D603, 604 : HZS30N(B) or RD30ES(B)



RXD-F3/F4/F41/F42(4/6)(K)

aute des sure

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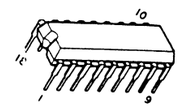
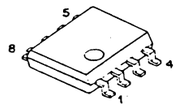
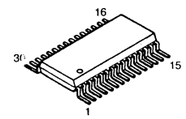
UPC1297CA



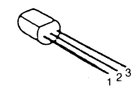
NJM4565M
NJM4565MD



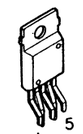
NJU7313AM



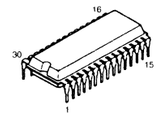
M5237L



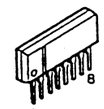
TDA2050V



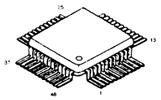
LA1836



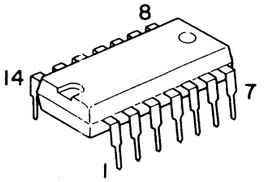
NJM4565L-D



CXA1782BQ

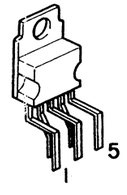


M65844F

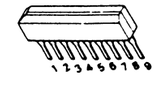


UN5212

TDA2040V



TA8125S
TA8409S



RXD-F3/F4/F41/F42

KENWOOD

Y39-2130-11

X08-267x-xx

UNIT	REF. NO. / ABB	D5	IC5, 6	R17, 18	C27	C35, 36	K2
2-70	YW, MW, XW, TW, EW, GW YS, MS, XS, TS, ES, GS	KBP02ML-6127	TDA2040V or TDA2050V	27K	0.1μ	8200P	S76-0008-05
0-11	KW, PW, RW KS, PS, RS	D3SBA20F03 or RBV-402LFA	TDA2050V	47K	NO	4700P	S51-2094-05

X08-267x-xx A/2
RXD-F4/F4L/F42 ONLY SURROUND UNIT

Rch TEST POINT

Lch TEST POINT

WH2
S DATA 1
PRO CLK 2
S CLK 3
PRO DATA 4
PRO STB 5
THR SW 6
POWER RELAY 7
CS MUTE 8
CS RELAY 9

TO X09 CN8 4/6 G

WH1
LIN 1
AG 2
RIN 3
R OUT 4
+12V 5
L OUT 6
D GND 7
+13V 8
C OUT 9
NC 10

TO X09 CN7 4/6 F

WH3
5 4 3 2 1

TO X08 B/2 WH3 4/6 J

IC7 ELECTRIC SWITCH
PL-L, L OUT, L IN, INH, VEE, VSS, VDD, R IN, R OUT, PL-R, INH, A, B

THR-SW SIGNAL REVERSE
Q7

IC4 ELECTRIC VOLUME
VSS, VS, GND, TR-L, TR-R, INR, LOUDR, NC, LOUDL, NC, SCL, SDA, DG, OUTL, OUTR, BOUTR, BINR, BOUTL, BINL, INL

Q4 +9V AVR

RELAY DRIVE
POWER ON *K2 0.7V
Q5
POWER ON: 0.1V
STANDBY: 15.6V

MUTE DRIVE
Q6

D5

IC3(2/2)
IC3(1/2)

Q1
Q2
Q1, 2 MUTE

IC5 16.5V Cch/Sch MAINAMP

IC6

IC1 DOLBY PROLOGIC SURROUND
CTRIM, CMODE, ADAPTIVE MATRIX, NOISE SEQUENCER, AUTO BALANCE

IC2 DOLBY SURROUND
MEMORY, DELAY, NR, TK LPF, SW L R S, CONTROL
VSS, CLK, DT, STB, VCC, L IN, R IN, SI N, REV OUT

X1 8MHz

VREF, SOUT, CTRIM

	D5	IC5, 6	R17, 18	C27	C35, 36	K2
TW, EW, GW	KBP02ML-6127	TDA2040V or TDA2050V	27K	0.1μ	8200P	S76-0008-05
TS, ES, GS						
RW	D3SBA20F03 or RBV-402LFA	TDA2050V	47K	NO	4700P	S51-2094-05
RS						

NIT

Rch TEST POINT

Lch TEST POINT

Sch TEST POINT

X08-267x-xx

IC1	: LA2785
IC2	: LV1011
IC3	: NJM4565L-D
IC4	: TDA7315
IC5, 6	: ★
IC7	: XRU4052BC
D1	: RD10ES(B) or HZS10N(B)
D3, 4, 8	: HSS104A or 1SS131
D5	: ★
D6	: RD3.9ES(B2) or HZS3.9N(B2) or UZ-3.9BSB
D7	: RD6.2ES(B2) or HZS6.2ES(B2) or UZ-6.2BSB
Q1, 2	: 2SC2878(B)
Q5	: 2SC2003(L, K)
Q4	: 2SD2012 or 2SD2061
Q6	: DTA113ZS or UN4119
Q7	: DTC124ES or UN4212

Cch TEST PCINT

IC2 DOLBY SURROUND

IC1 DOLBY PROLOGIC SURROUND

IC4 ELECTRIC VOLUME

IC3(2/2) IC3(1/2)

IC5 IC6 IC5.6 Cch/Sch MAINAMP

Q1.2 MUTE

MUTE DRIVE

CENTER

SURROUND

J1 CENTER SURROUND L SURROUND R

X11-3600-00 RXD-

WH1 TO X09 CN7 4/6 (H)

Lch IN
AGND
Rch IN
Rch OUT
+12V
Lch OUT
NC

WH2 TO X09 CN8 4/6 (I)

NC
CLK
NC
DATA
STB
THR SW
NC

THR SW SIGNAL INVERSION

IC1	: M65840
IC2	: XRU405
IC3.5,6	: NJM456
IC4	: UPC780

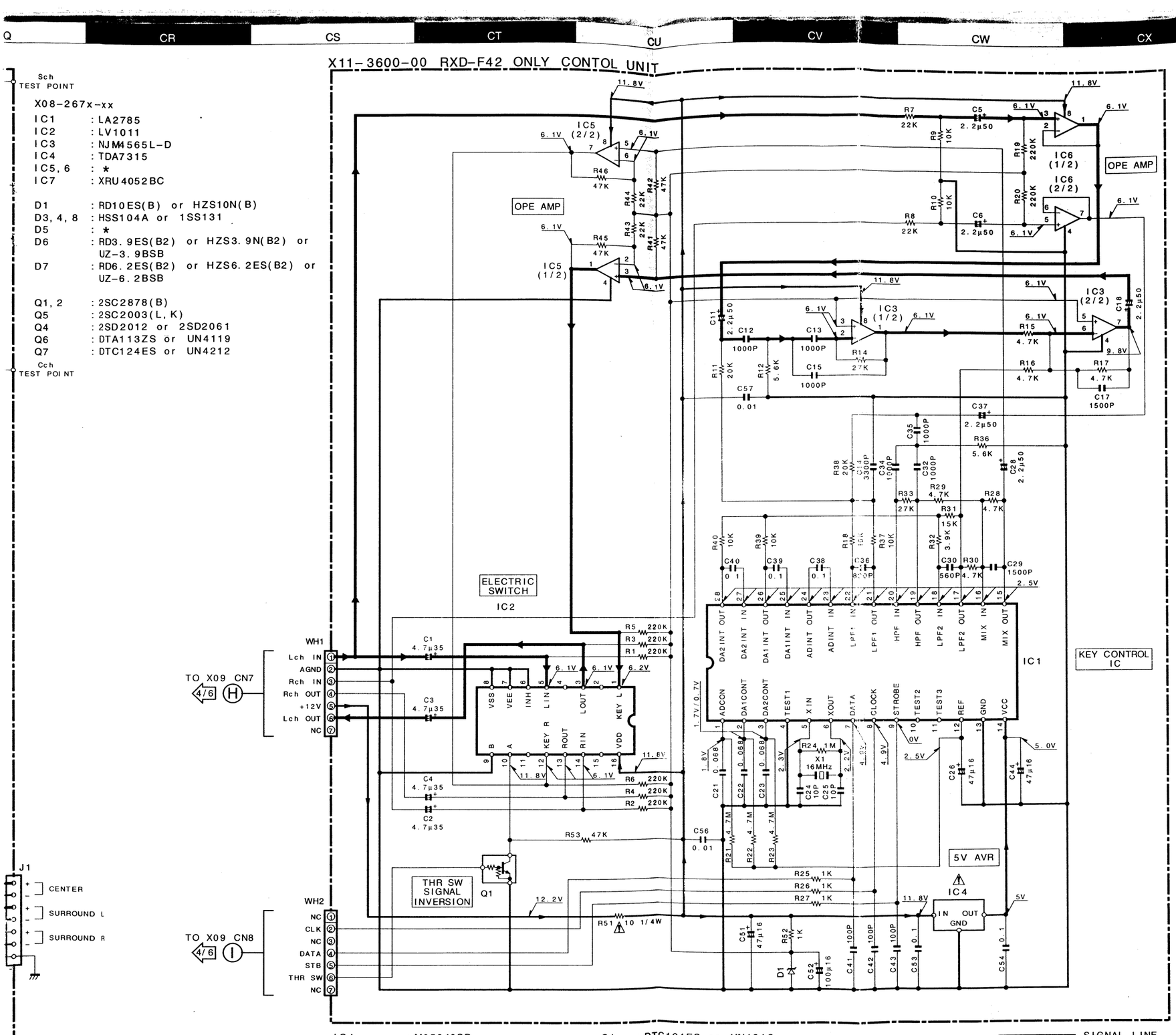
X11-3600-00 RXD-F42 ONLY CONTOL UNIT

Sch
TEST POINT

X08-267x-xx

IC1	: LA2785
IC2	: LV1011
IC3	: NJM4565L-D
IC4	: TDA7315
IC5, 6	: *
IC7	: XRU4052BC
D1	: RD10ES(B) or HZS10N(B)
D3, 4, 8	: HSS104A or 1SS131
D5	: *
D6	: RD3.9ES(B2) or HZS3.9N(B2) or UZ-3.9BSB
D7	: RD6.2ES(B2) or HZS6.2ES(B2) or UZ-6.2BSB
Q1, 2	: 2SC2878(B)
Q5	: 2SC2003(L, K)
Q4	: 2SD2012 or 2SD2061
Q6	: DTA113ZS or UN4119
Q7	: DTC124ES or UN4212

Cch
TEST POINT



IC1	: M65840SP
IC2	: XRU4052BC
IC3, 5, 6	: NJM4565L-D
IC4	: UPC7805AHF or TA7805S
Q1	: DTC124ES or UN4212
D1	: RD6.2ES(B2) or HZS6.2N(B2) or UZ-6.2BSB

SIGNAL LINE
GND LINE
+B LINE
-B LINE

RXD-F3/F4/F41/F42(5/6)(K)

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

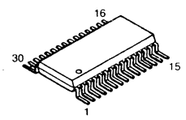
DOLBY and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation. Noise reduction circuit made under license from Dolby Laboratories Licensing Corporation.

DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

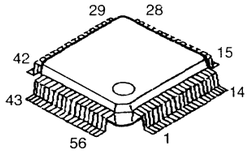
Les tensions c.c doivent être mesurées avec un voltmétre á haute impédance Les valeurs peuvent différer légérement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U geringfügig.

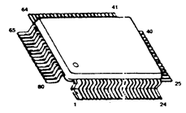
NJU7313AM



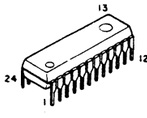
HA12182F



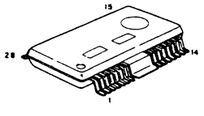
CXD2508AQ



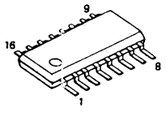
LC7218
LV1011



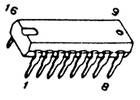
BA6398FP



BU4094BCF



BU4094BC



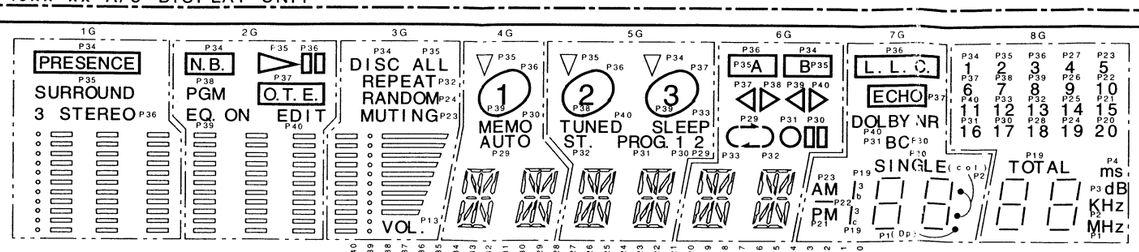
BA10393
XRA15218-DX

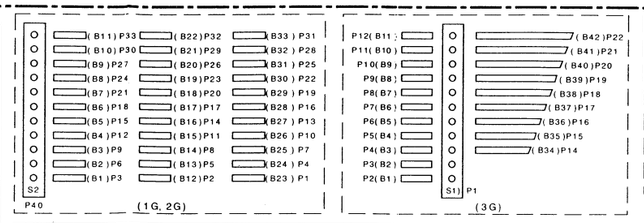
Y39-2130-11

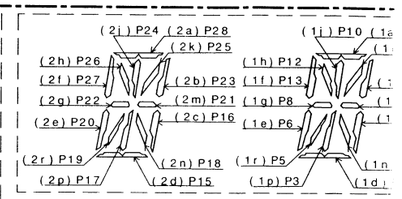
RXD-F3/F4/F41/F42

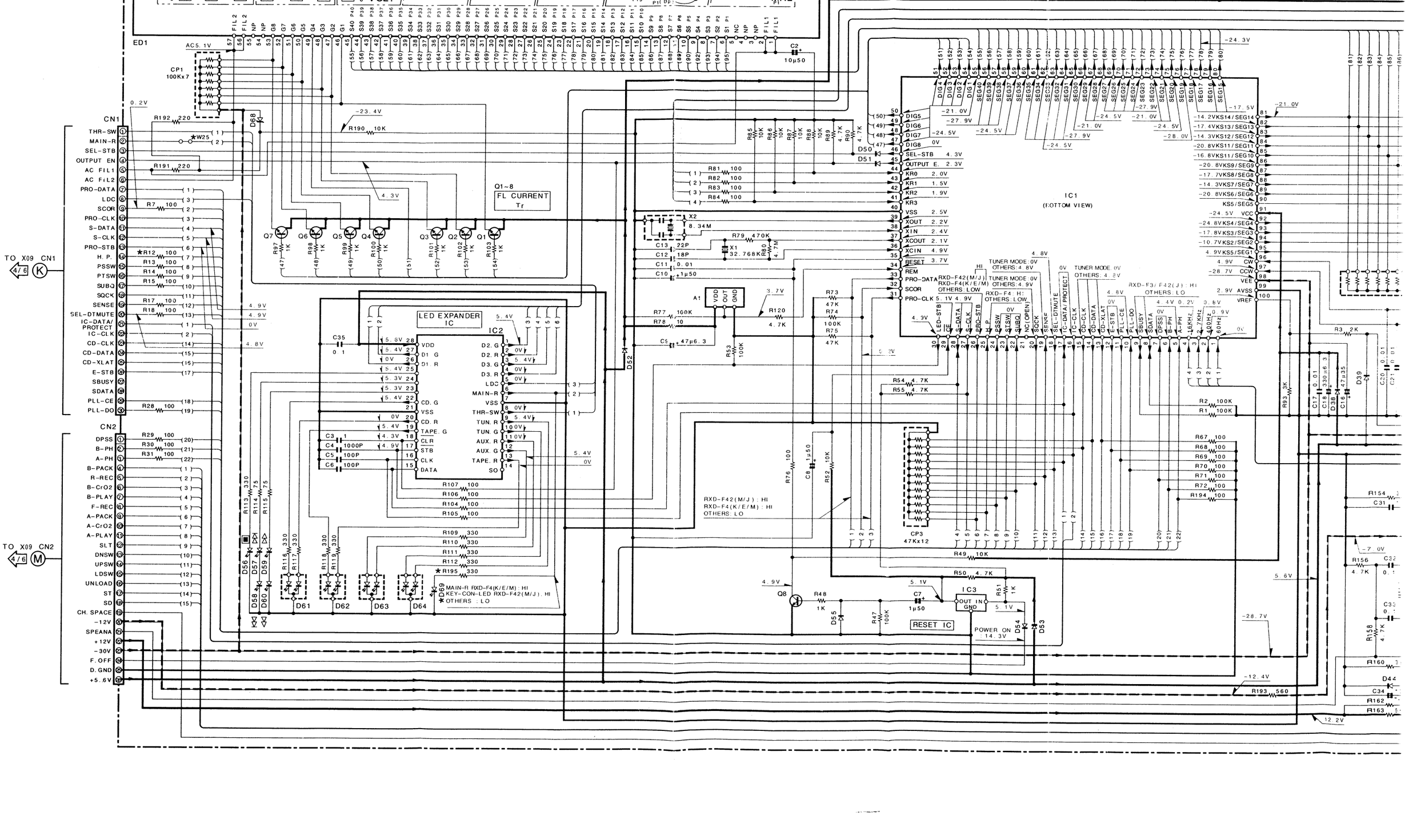
KENWOOD

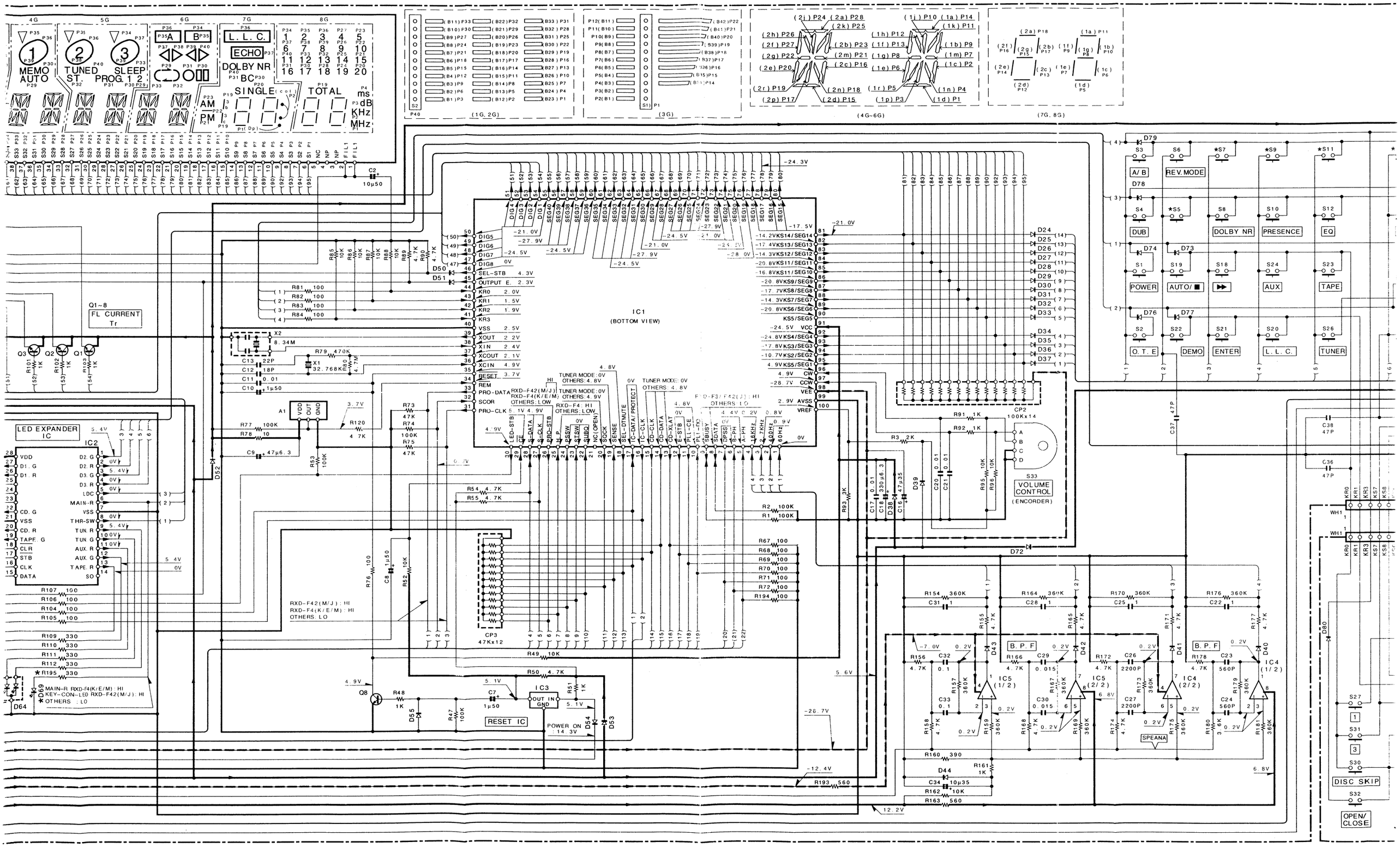
X14-40xx-xx A/3 DISPLAY UNIT

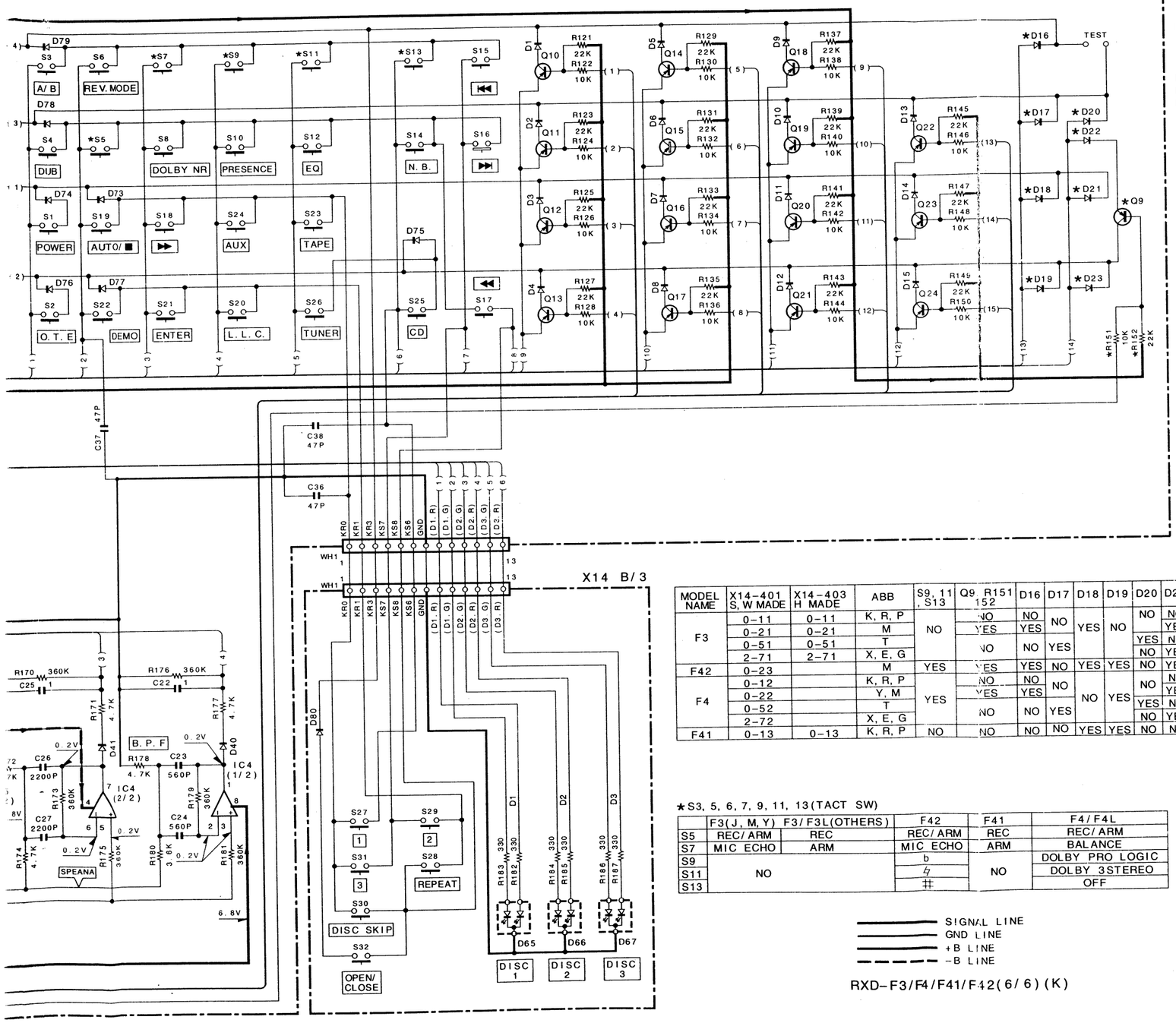









IC1
(BOTTOM VIEW)
IC2
LED EXPANDER IC
IC3
RESET IC
IC4 (1/2)
IC5 (1/2)
IC5 (2/2)
Q1~8
FL CURRENT Tr
CP2 100Kx14
CP3 47Kx12
S33
VOLUME CONTROL
(ENCORDER)
A/B
REV.MODE
DUB
DOLBY NR
PRESENCE
EQ
POWER
AUTO/ ■
▶▶
AUX
TAPE
O. T. E
DEMO
ENTER
L. L. C.
TUNER
B. P. F
SPEANA
DISC SKIP
OPEN/ CLOSE
(1G, 2G)
(3G)
(4G~6G)
(7G, 8G)



X14 B/3

X14 A/3, B/3

IC1	: M38198MC-053FP
IC2	: NJU3718G
IC3	: S-806D-Z or PST993D-T
IC4, 5	: NJM4565D
Q1~8	: 2SC4081
Q9~24	: 2SA1576
D1~15, 17~21 23, 28~39, 44 50~55, 72 75~80	: 1SS131 or HSS104A
D16, 22, 24~27, 40~43, 70, 71, 73, 74	: MA111
D56~60	: B30-2462-05
D61~67	: B30-2476-05
D68	: RD5. 1ES(B2) or HZS5. 1N(B2) or UZ-5. 1BSB (F4, F42 ONLY)
D69	: B30-1291-05
ED1	: BJ344GK or FIP8AMW6R

MODEL NAME	X14-401 S, W MADE	X14-403 H MADE	ABB	S9, 11, S13	Q9, R151, 152	D16	D17	D18	D19	D20	D21	D22	D23	D69 R195	R12	W25
F3	0-11	0-11	K, R, P	NO	NO	NO	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO
	0-21	0-21	M		YES	YES					YES	YES				
	0-51	0-51	T		NO	NO	YES			YES	NO	NO				
	2-71	2-71	X, E, G							NO	YES		YES			
F42	0-23		M	YES	YES	YES	NO	YES	YES	NO	YES	YES	NO	YES	NO	NO
F4	0-12		K, R, P	YES	NO	NO	NO	NO	YES	NO	NO	NO	NO	NO	YES	YES
	0-22		Y, M		YES	YES					YES	YES				
	0-52		T		NO	NO	YES			YES	NO	NO				
	2-72		X, E, G							NO	YES		YES			
F41	0-13	0-13	K, R, P	NO	NO	NO	NO	YES	YES	NO	NO	NO	NO	NO	NO	YES

★S3, 5, 6, 7, 9, 11, 13(TACT SW)

	F3(J, M, Y) F3/F3L(OTHERS)		F42	F41	F4/F4L
S5	REC/ARM	REC	REC/ARM	REC	REC/ARM
S7	MIC ECHO	ARM	MIC ECHO	ARM	BALANCE
S9	NO		♭	NO	DOLBY PRO LOGIC
S11			♮		DOLBY 3STEREO
S13			♯		OFF

SIGNAL LINE
GND LINE
+B LINE
-B LINE

RXD-F3/F4/F41/F42(6/6)(K)

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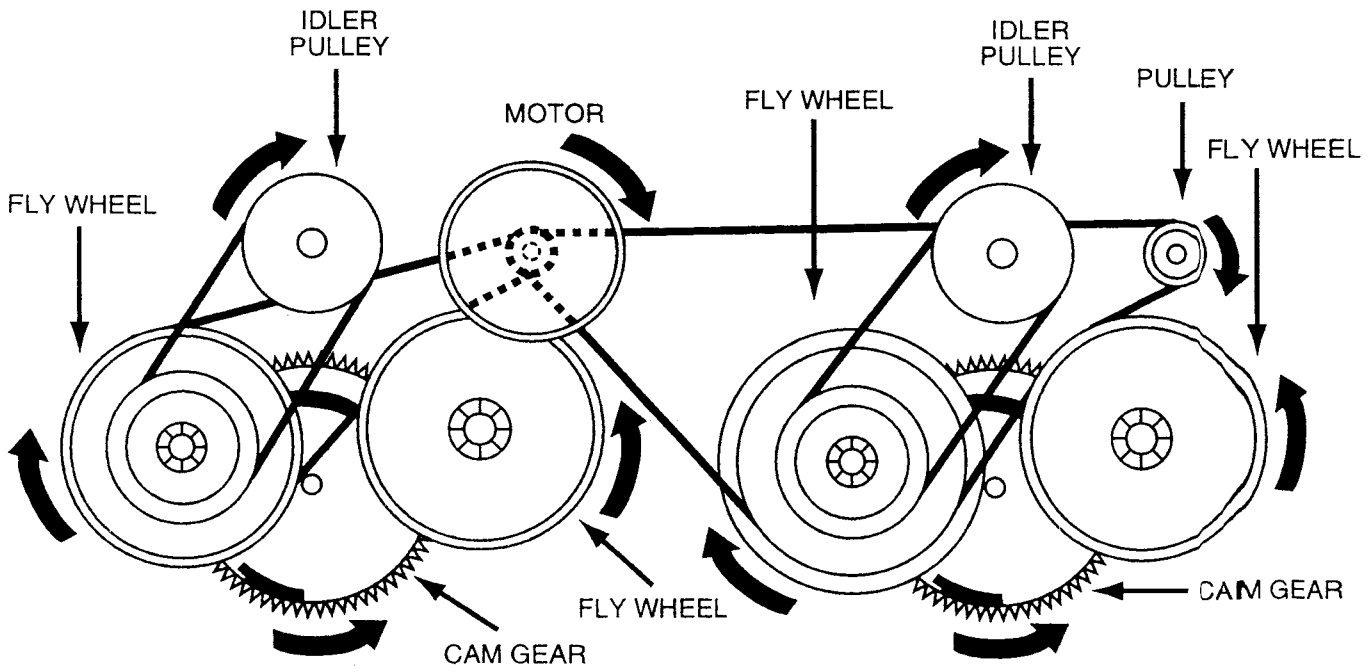
Y39-2130-11

RXD-F3/F4/F41/F42

KENWOOD

CASSETTE MECHANISM DESCRIPTION

How to drive the double cassette deck with one motor



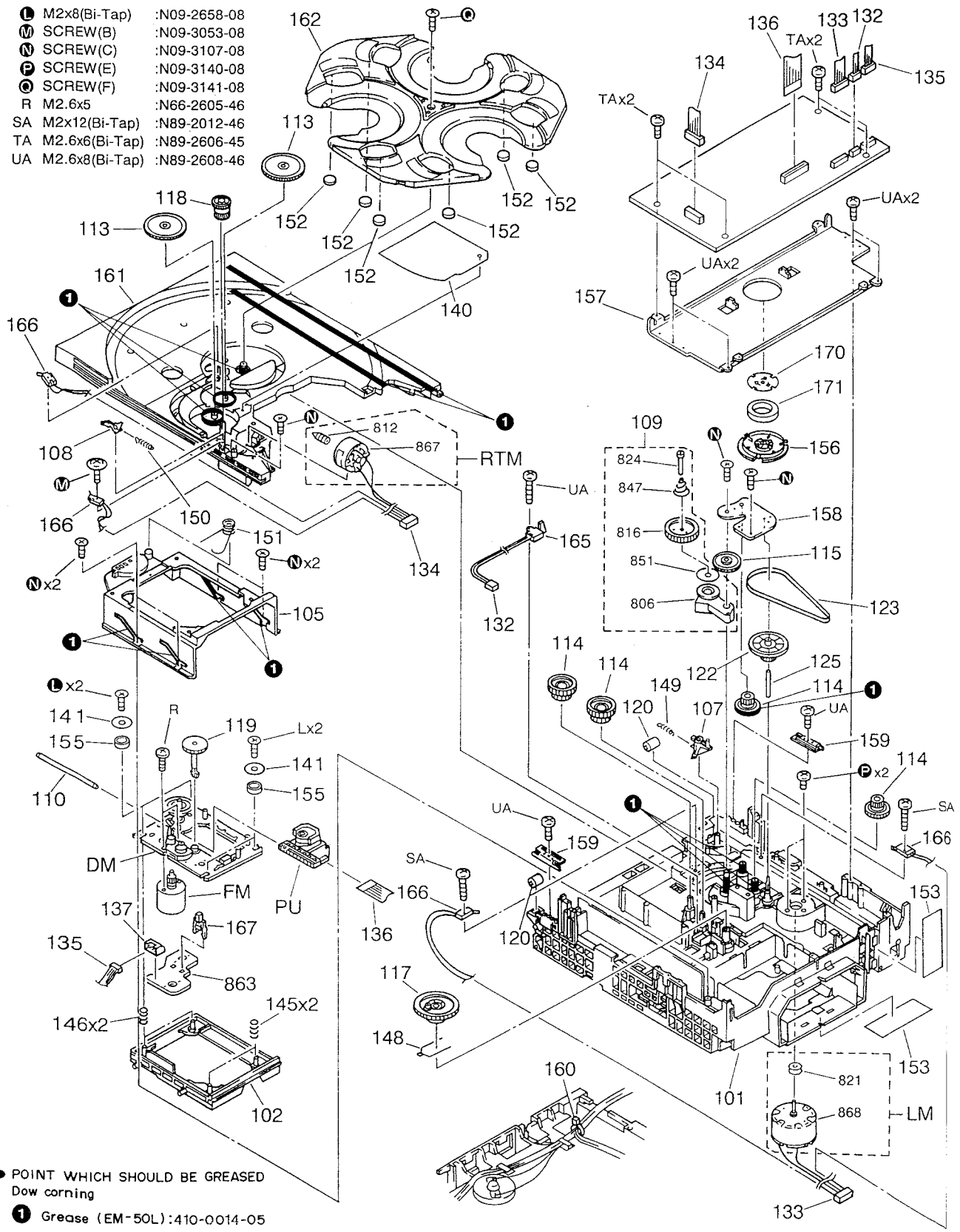
REAR VIEW

ONE MOTOR RVS MECH (GT-2400W)

RXD-F3/F4/F41/F42

EXPLODED VIEW(CD MECHANISM)

L	M2x8(Bi-Tap)	:N09-2658-08
M	SCREW(B)	:N09-3053-08
N	SCREW(C)	:N09-3107-08
P	SCREW(E)	:N09-3140-08
Q	SCREW(F)	:N09-3141-08
R	M2.6x5	:N66-2605-46
SA	M2x12(Bi-Tap)	:N89-2012-46
TA	M2.6x6(Bi-Tap)	:N89-2606-45
UA	M2.6x8(Bi-Tap)	:N89-2608-46



● POINT WHICH SHOULD BE GREASED
Dow corning

❶ Grease (EM-50L):410-0014-05

B310

Parts with the exploded numbers larger than 700 are not supplied.

EXPLODED VIEW(CASSETTE DECK MECHANISM)

S	M2x5 Tap	:N09-1497-08
T	M2x6 Tap	:N09-2871-08
U	HEAD SCREW	:N09-2876-08
V	M2.6x6 (Bi-Tap)	:N09-3135-08
W	M2x3 Tap	:N09-3195-08
Y	M2x4 (Bi-Tap)	:N09-2901-08
Z	AZIMUTH SCREW	:N09-3112-08
AA	POLY WS	:N19-1316-08
AB	NYLON WASHER	:N19-1354-08
AC	POLY WS	:N19-1288-08
AD	NYLON WASHER	:N19-1355-08
AE	POLY WASHER	:N19-1385-08
AF	POLY WASHER	:N19-1386-08
AG	TEFRON WS	:N19-1387-08
AH	POLY WS	:N19-1388-08
AJ	M2.6x4 Bi	:N35-2604-46
AK	POLY WS	:N19-1035-08
AL	POLY WS	:N19-1396-08
AM	POLY WASHER	:N19-1384-08

● POINT WHICH SHOULD BE GREASED
Dow corning
1 Grease (EM-30L) : 410-0013-05
2 E-Paste (Grease) : 410-0015-05

GT-2400W

Parts with the exploded numbers larger than 700 are not supplied.

EXPLODED VIEW(UNIT)

A	φ3x12	(Bi-Tap)		:N09-0333-05
B	φ2x6	(Bi-Tap)		:N09-2900-08
C	φ3x14	(Bi-Tap)		:N09-2907-05
D	φ3x8			:N82-3008-46
E	φ3x5	(Bi-Tap)	BLK	:N84-3005-46
F	φ4x6			:N86-4006-46
G	φ3x8	(Bi-Tap)	BLK	:N89-3008-45
H	φ3x8	(Bi-Tap)		:N89-3008-46
J	φ3x10	(Bi-Tap)	BLK	:N89-3010-45
K	φ3x10	(Bi-Tap)	BLK	:N89-3010-46
TA	φ2.6x6	(Bi-Tap)	BLK	:N89-2606-45

Parts with the exploded numbers larger than 700 are not supplied.

* New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

NO. 1

Ref. No.	Address	New Parts	Parts No.	Description	Destination	Remarks
			RXD-F3/L			
601	1G	*	A01-3231-01	METALLIC CABINET		
603	1H		A09-0170-08	BATTERY COVER		
606	2G	*	A21-1870-32	DRESSING PANEL (CD)		1
606	2G	*	A21-1871-22	DRESSING PANEL (CD)		H
607	2G	*	A29-0397-02	PANEL (CD TRAY)		
608	3G		A53-1468-03	CASSETTE HOLDER ASSY(A DECK)		1
608	3G		A53-1837-13	CASSETTE HOLDER ASSY(A DECK)		H
610	3G		A53-1470-03	CASSETTE HOLDER ASSY(B DECK)		1
610	3G		A53-1839-13	CASSETTE HOLDER ASSY(B DECK)		H
612	3G	*	A53-1862-02	CASSETTE LID (A DECK)		1
612	3G	*	A53-1869-02	CASSETTE LID (A DECK)		H
613	3G	*	A53-1864-02	CASSETTE LID (B DECK)		1
613	3	*	A53-1873-02	CASSETTE LID (B DECK)		H
615	2G	*	A60-0730-11	PANEL	M	1
615	2G	*	A60-0732-11	PANEL	KRPXTE	1
615	2G	*	A60-0732-11	PANEL	G	1
615	2G	*	A60-0742-11	PANEL	M	H
615	2G	*	A60-0743-11	PANEL	KRPXTE	H
615	2G	*	A60-0743-11	PANEL	G	H
616	1H	*	A70-1020-05	REMOTE CONTROLLER ASSY(RC-F3)		
620	3G	*	B10-2100-13	FRONT GLASS (A DECK)		1
620	3G	*	B10-2111-13	FRONT GLASS (A DECK)		H
621	3G	*	B10-2101-13	FRONT GLASS (B DECK)		1
621	3G	*	B10-2112-13	FRONT GLASS (B DECK)		H
622	2G	*	B10-2107-02	FRONT GLASS (RECEIVER)	MI	1
622	2G	*	B10-2109-12	FRONT GLASS (RECEIVER)	KRPXEG	1
622	2G	*	B10-2110-12	FRONT GLASS (RECEIVER)	T	1
622	2G	*	B10-2114-02	FRONT GLASS (RECEIVER)	M	H
622	2G	*	B10-2115-12	FRONT GLASS (RECEIVER)	KRPXEG	H
622	2G	*	B10-2116-12	FRONT GLASS (RECEIVER)	T	H
			B46-0096-53	WARRANTY CARD	X	
-			B46-0121-33	WARRANTY CARD	P	
-		*	B46-0307-23	WARRANTY CARD	K	
-			B46-0310-03	WARRANTY CARD	TEG	
-		*	B46-0319-00	QUESTIONAIRE CARD	T	
-			B58-0964-13	CAUTION CARD (UL)	KR	
-		*	B58-0965-13	CAUTION CARD (PL)	XT	
-		*	B58-0966-13	CAUTION CARD (PL)	MEI	
-		*	B58-0967-03	CAUTION CARD (PL)	P	
-		*	B58-0970-13	CAUTION CARD (R,G TYPE PL)	RG	
-		*	B60-2170-00	INSTRUCTION MANUAL(ENGLISH)	T	
-		*	B60-2171-00	INSTRUCTION MANUAL(ENGLISH)	KRP	
-		*	B60-2172-00	INSTRUCTION MANUAL(FRENCH)	PE	
-		*	B60-2173-00	INSTRUCTION MANUAL(GERMANY)	EG	
-		*	B60-2174-00	INSTRUCTION MANUAL(DENT)	E	
		*	B60-2175-00	INSTRUCTION MANUAL(ITALY)	E	
-		*	B60-2176-00	INSTRUCTION MANUAL(SPANISH)	RE	
-		*	B60-2177-10	INSTRUCTION MANUAL(CHINESES)	MI	
-		*	B60-2178-10	INSTRUCTION MANUAL(TIWAN)	M	
-		*	B60-2255-00	INSTRUCTION MANUAL(ENGLISH)	MXI	
-		*	B60-2256-00	INSTRUCTION MANUAL(SPANISH)	M	
625	3H	*	D39-0322-05	DAMPER		

L: Scandinavia **K:** USA **P:** Canada **H:** HUIZHOU made
Y: PX(Far East, Hawaii) **T:** England **E:** Europe **1:** SINGAPORE, MALAYSIA made common
Y: AAFES(Europe) **X:** Australia **M:** Other Areas
⚠ indicates safety critical components.

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NO. 2

Ref. No.	Address	New Parts	Parts No.	Description	Destination	Remarks
⚠ 630	1H		E03-0115-05	AC PLUG ADAPTER	MI	
⚠ 632	1J		E30-2787-05	AC POWER CORD	KRP	
⚠ 632	1J		E30-2788-05	AC POWER CORD	MEGI	
⚠ 632	1J		E30-2790-05	AC POWER CORD	T	
⚠ 632	1J		E30-2791-05	AC POWER CORD	T	
635	2I,1J	*	E35-1174-05	FLAT CABLE		
637	1J	*	F07-0757-03	COVER		
639	1J	*	F20-1432-04	INSULATING SHEET		
-		*	F10-0980-13	SHIELDING PLATE	TEG	
641	2H	*	G01-3810-24	TORSION COIL SPRING		
642	3H	*	G01-3811-24	TORSION COIL SPRING		
643	3G		G02-1057-14	FLAT SPRING		
645	1J	*	G11-2239-14	CUSHION	KRP	
-		*	H10-7047-12	POLYSTYRENE FOAMED FIXTURE		
-		*	H10-7048-12	POLYSTYRENE FOAMED FIXTURE		
-			H13-0086-04	CARTON BOARD		
-			H25-0632-24	PROTECTION BAG	KRPMXE	
-			H25-0632-24	PROTECTION BAG	GI	
-			H25-0644-04	PROTECTION BAG (0632 PRINTED)	T	
-			H25-1509-04	PROTECTION BAG	MI	
-			H25-1536-04	PROTECTION BAG	KRPXTE	
-			H25-1536-04	PROTECTION BAG	G	
-		*	H50-1487-04	ITEM CARTON CASE	KPX	W
-		*	H50-1488-04	ITEM CARTON CASE	M	W
-		*	H50-1489-04	ITEM CARTON CASE	T	W
-		*	H50-1490-04	ITEM CARTON CASE	REG	W
-		*	H50-1491-04	ITEM CARTON CASE	KP	H
-		*	H50-1492-04	ITEM CARTON CASE	MX	H
-		*	H50-1493-04	ITEM CARTON CASE	REG	H
-		*	H50-1569-04	ITEM CARTON CASE	KPX	S
-		*	H50-1570-04	ITEM CARTON CASE	M	S
-		*	H50-1571-04	ITEM CARTON CASE	T	S
-		*	H50-1572-04	ITEM CARTON CASE	REG	S
-		*	H50-1652-04	ITEM CARTON CASE	I	W
647	1J		J19-2808-05	HOLDER	MI	
648	1G		J19-3645-05	AM ANTENNA HOLDER		
⚠ 660	1J		J42-0083-05	POWER CORD BUSHING		
-			J61-0307-05	WIRE BAND	MI	
661	3G		K29-6033-04	KNOB (MIC MIXING)		
662	2H	*	K29-6135-02	KNOB (DUBB,REC,ARM)		1
662	2H	*	K29-6138-02	KNOB (DUBB,REC,ARM)		H
663	2H	*	K29-6121-12	KNOB (TUNING,P.CALL)		1
663	2H	*	K29-6139-12	KNOB (TUNING,P.CALL)		H
664	1J	*	K29-6122-13	KNOB (DISC SELECTOR)		1
664	2G	*	K29-6140-13	KNOB (DISC SELECTOR)		H
665	2H	*	K29-6123-13	KNOB (INPUT SELECTOR)		1
665	2H	*	K29-6141-13	KNOB (INPUT SELECTOR)		H
666	3G	*	K29-6124-14	KNOB (EJECT A)		1
666	3G	*	K29-6142-14	KNOB (EJECT A)		H
667	3G	*	K29-6125-14	KNOB (EJECT B)		1
667	3G	*	K29-6143-14	KNOB (EJECT B)		H
668	2G	*	K29-6149-14	KNOB (VOLUME CONTROL)		

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NO. 3

Ref. No.	Address	New Parts	Parts No.	Description	Destination	Remarks
⚠ 670	3J	*	L07-1924-05	POWER TRANSFORMER	KRP	
⚠ 670	3J	*	L07-1925-05	POWER TRANSFORMER	TEG	
⚠ 670	3J	*	L07-1926-05	POWER TRANSFORMER	X	
⚠ 670	3J	*	L07-1928-05	POWER TRANSFORMER	MI	
B			N09-2900-08	BINDING HEAD TAPTITE SCREW		
673	1H		T90-0182-15	LEAD WIRE ANTENNA		
673	1H		T90-0801-05	LEAD WIRE ANTENNA		
674	1G		T90-0195-05	LOOP ANTENNA		
675	1G		T90-0198-05	ANTENNA ADAPTOR	TEG	
RXD-F4/L						
601	1G	*	A01-3229-11	METALLIC CABINET		
603	1H		A09-0170-08	BATTERY COVER		
606	2G	*	A21-1870-32	DRESSING PANEL (CD)		1
607	2G	*	A29-0397-02	PANEL (CD TRAY)		
608	3G		A53-1468-03	CASSETTE HOLDER ASSY (A DECK)		1
610	3G		A53-1470-03	CASSETTE HOLDER ASSY (B DECK)		1
612	3G	*	A53-1862-02	CASSETTE LID (A DECK)		1
613	3G	*	A53-1864-02	CASSETTE LID (B DECK)		1
615	2G	*	A60-0728-21	PANEL		1
616	1H	*	A70-1018-05	REMOTECONTROLLER ASSY(RC-F4)		
620	3G	*	B10-2100-13	FRONT GLASS (A DECK)		1
621	3G	*	B10-2101-13	FRONT GLASS (B DECK)		1
622	2G	*	B10-2106-02	FRONT GLASS (RECEIVER)	KRPYMT	1
622	2G	*	B10-2106-02	FRONT GLASS (RECEIVER)	EG	1
622	2G	*	B10-2108-02	FRONT GLASS (RECEIVER)	T	1
-			B46-0096-53	WARRANTY CARD	X	
-			B46-0121-33	WARRANTY CARD	P	
-		*	B46-0307-23	WARRANTY CARD	KY	
-			B46-0310-03	WARRANTY CARD	TEG	
-		*	B46-0319-00	QUESTIONAIRE CARD	T	
-		*	B58-0964-13	CAUTION CARD (UL)	KRY	
-		*	B58-0965-13	CAUTION CARD (PL)	XT	
-		*	B58-0966-13	CAUTION CARD (PL)	ME	
-		*	B58-0967-03	CAUTION CARD (PL)	P	
-		*	B58-0968-04	CAUTION CARD	Y	
-		*	B58-0970-13	CAUTION CARD (PL)	RG	
-		*	B59-1104-00	SERVICE DIRECTORY	Y	
-		*	B60-2145-00	INSTRUCTION MANUAL (ENGLISH)	KT	
-		*	B60-2146-00	INSTRUCTION MANUAL (FRENCH)	E	
-		*	B60-2147-00	INSTRUCTION MANUAL (GERMAN)	EG	
-		*	B60-2148-00	INSTRUCTION MANUAL (DUTCH)	E	
-		*	B60-2149-00	INSTRUCTION MANUAL (ITALAN)	E	
-		*	B60-2151-00	INSTRUCTION MANUAL (SPANISH)	E	
-		*	B60-2251-00	INSTRUCTION MANUAL (ENGLISH)	YMX	
-		*	B60-2252-00	INSTRUCTION MANUAL (SPANISH)	M	
-		*	B60-2334-00	INSTRUCTION MANUAL (ENGLISH)	KRP	
-		*	B60-2335-00	INSTRUCTION MANUAL (FRENCH)	P	
-		*	B60-2336-00	INSTRUCTION MANUAL (SPANISH)	R	
625	3H	*	D39-0321-05	DAMPER		
⚠ 630	1H		E03-0115-05	AC PLUG ADAPTER	M	
⚠ 632	1J		E30-2592-15	AC POWER CORD	MEG	
⚠ 632	1J		E30-2605-05	AC POWER CORD	Y	
⚠ 632	1J		E30-2650-05	AC POWER CORD	KRP	

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NO. 4

Ref. No.	Address	New Parts	Parts No.	Description	Destination	Remarks
⚠ 632	1J		E30-2717-05	AC POWER CORD	X	
⚠ 632	1J		E30-2721-05	AC POWER CORD	T	
635	1J,2	*	E35-1129-05	FLAT CABLE		
637	1J	*	F07-0757-03	COVER		
639	1J	*	F20-1431-04	INSULATING SHEET		
640		*	F20-1448-03	INSULATING SHEET		
641	2H	*	G01-3810-24	TORSION COIL SPRING (A DECK)		
642	3H	*	G01-3811-24	TORSION COIL SPRING (B DECK)		
643	3G		G02-1040-04	FLAT SPRING		
645	1J	*	G11-2241-14	CUSHION	KRPY	
-		*	H10-7017-12	POLYSTYRENE FOAMED FIXTURE		
-		*	H10-7018-12	POLYSTYRENE FOAMED FIXTURE		
-			H13-0086-04	CARTON BOARD		
-			H25-0632-24	PROTECTION BAG	KRPYMX	
-			H25-0632-24	PROTECTION BAG	EG	
-			H25-0644-04	PROTECTION BAG (0632 PRINTED)	T	
-			H25-1509-04	PROTECTION BAG	M	
-			H25-1536-04	PROTECTION BAG	KRPYXT	
-			H25-1536-04	PROTECTION BAG	EG	
-		*	H50-1496-04	ITEM CARTON CASE	REG	W
-		*	H50-1497-04	ITEM CARTON CASE	T	W
-		*	H50-1500-04	ITEM CARTON CASE	KPYX	W
-		*	H50-1548-04	ITEM CARTON CASE	M	
-		*	H50-1563-04	ITEM CARTON CASE	REG	S
-		*	H50-1564-04	ITEM CARTON CASE	T	S
-		*	H50-1566-04	ITEM CARTON CASE	KPYX	S
647	1J		J19-2808-05	HOLDER	M	
648	1G		J19-3645-05	AM LOOP ANNTENA STAND		
⚠ 660	1J		J42-0083-05	POWER CORD BUSHING		
-			J61-0307-05	WIRE BAND		
661	3G		K29-6033-04	KNOB (MIC MIXING)		
662	2H	*	K29-6120-02	KNOB (DUBB.,REC,ARM)		1
663	2H	*	K29-6121-12	KNOB (TUNIG,P.COLL)		1
664	2G	*	K29-6122-13	KNOB (DISC SELECTOR)		1
665	2H	*	K29-6123-13	KNOB (INPUT SELECTOR)		1
666	3G	*	K29-6124-14	KNOB (EJECT A)		1
667	3G	*	K29-6125-14	KNOB (EJECT B)		1
668	2G	*	K29-6149-14	KNOB (VOLUME CONTROL)		
⚠ 670	3J	*	L07-1929-05	POWER TRANSFORMER	TEG	
⚠ 670	3J	*	L07-1930-05	POWER TRANSFORMER	X	
⚠ 670	3J	*	L07-1954-05	POWER TRANSFORMER	YM	
⚠ 670	3J	*	L07-2014-05	POWER TRANSFORMER	KRP	
B			N09-2900-08	BINDING HEAD TAPTITE SCRE		W
673	1H		T90-0182-15	LEAD WIRE ANTENNA		
673	1H		T90-0801-05	LEAD WIRE ANTENNA		
674	1G		T90-0195-05	LOOP ANTENNA		
675	1G		T90-0198-05	ANTENNA ADAPTOR	TEG	
RXD-41						
601	1G	*	A01-3231-01	METALLIC CABINET		
606	2G	*	A21-1870-32	DRESSING PANEL (CD)		1
606	2G	*	A21-1871-22	DRESSING PANEL (CD)		H
607	2G	*	A29-0397-02	PANEL (CD TRAY)		

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NO. 5

Ref. No.	Address	New Parts	Parts No.	Description	Destination	Remarks
608	3G		A53-1468-03	CASSETTE HOLDER ASSY (A DECK)		1
608	3G		A53-1837-13	CASSETTE HOLDER ASSY (A DECK)		H
610	3G	*	A53-1470-13	CASSETTE HOLDER ASSY (B DECK)		1
610	3G		A53-1839-13	CASSETTE HOLDER ASSY (B DECK)		H
612	3G	*	A53-1862-02	CASSETTE LID (A DECK)		1
612	3G	*	A53-1869-02	CASSETTE LID (A DECK)		H
613	3G	*	A53-1864-02	CASSETTE LID (B DECK)		1
613	3G	*	A53-1873-02	CASSETTE LID (B DECK)		H
615	2G	*	A60-0732-11	PANEL		1
615	2G	*	A60-0743-11	PANEL		H
616	1H	*	A70-1020-05	REMOTE CONTROLLER ASSY(RC-F3)		
620	3G	*	B10-2100-13	FRONT GLASS (A DECK)		1
620	3G	*	B10-2111-13	FRONT GLASS (A DECK)		H
621	3G	*	B10-2101-13	FRONT GLASS (B DECK)		1
621	3G	*	B10-2112-13	FRONT GLASS (B DECK)		H
622	2G	*	B10-2117-22	FRONT GLASS (RECEIVER)		H
622	2G	*	B10-2139-22	FRONT GLASS (RECEIVER)		1
-			B46-0121-33	WARRANTY CARD	P	
-		*	B46-0307-23	WARRANTY CARD	K	
-			B58-0964-13	CAUTION CARD (UL)	KR	
-		*	B58-0967-03	CAUTION CARD (PL)	P	
-		*	B58-0970-13	CAUTION CARD (PL)	R	
-		*	B60-2179-00	INSTRUCTION MANUAL (ENGLISH)	KRP	
-		*	B60-2180-00	INSTRUCTION MANUAL (FRENCH)	P	
-		*	B60-2181-00	INSTRUCTION MANUAL (SPANISH)	R	
625	3H	*	D39-0322-05	DAMPER		
⚠ 632	1J		E30-2787-05	AC POWER CORD		
635	1J,2I	*	E35-1174-05	FLAT CABLE		
637	1J	*	F07-0757-03	COVER		
639	1J	*	F20-1432-04	INSULATING SHEET		
641	2H	*	G01-3810-24	TORSION COIL SPRING		
642	3H	*	G01-3811-24	TORSION COIL SPRING		
643	3G		G02-1057-14	FLAT SPRING		
645	1J	*	G11-2239-14	CUSHION		
-		*	H10-7047-12	POLYSTYRENE FOAMED FIXTURE		
-		*	H10-7048-12	POLYSTYRENE FOAMED FIXTURE		
-			H13-0086-04	CARTON BOARD		
-			H25-0632-24	PROTECTION BAG		
-			H25-1536-04	PROTECTION BAG		
-		*	H50-1549-04	ITEM CARTON CASE		H
-		*	H50-1561-04	ITEM CARTON CASE		W
-		*	H50-1568-04	ITEM CARTON CASE		S
648	1G		J19-3645-05	AM LOOP ANNTENA STAND		
⚠ 660	1J		J42-0083-05	POWER CORD BUSHING		
-			J61-0307-05	WIRE BAND		
661	3G		K29-6033-04	KNOB (MIC MIXING)		
662	2H	*	K29-6135-02	KNOB (DUBB.,REC,ARM)		1
662	2H	*	K29-6138-02	KNOB (DUBB.,REC,ARM)		H
663	2H	*	K29-6121-12	KNOB (TUNING,P.CALL)		1
663	2H	*	K29-6139-12	KNOB (TUNING,P.CALL)		H
664	2G	*	K29-6122-13	KNOB (DISC SELECTOR)		1

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NO. 6

Ref. No.	Address	New Parts	Parts No.	Description	Destination	Remarks
664	2G	*	K29-6140-13	KNOB (DISC SELECTOR)		H
665	2H	*	K29-6123-13	KNOB (INPUT SELECTOR)		1
665	2H	*	K29-6141-13	KNOB (INPUT SELECTOR)		H
666	3G	*	K29-6124-14	KNOB (EJECT A)		1
666	3G	*	K29-6142-14	KNOB (EJECT A)		H
667	3H	*	K29-6125-14	KNOB (EJECT B)		1
667	3H	*	K29-6143-14	KNOB (EJECT B)		H
668	2G	*	K29-6149-14	KNOB (VOLUME CONTROL)		
⚠ 670	3J	*	L07-1944-05	POWER TRANSFORMER		
B			N09-2900-08	BINDING HEAD TAPTITE SCREW		
673	1H		T90-0801-05	LEAD WIRE ANTENNA		
674	1G		T90-0195-05	LOOP ANTENNA		

RXD-F42

601	1G	*	A01-3229-11	METALLIC CABINET		
603	1H		A09-0170-08	BATTERY COVER		
606	2G	*	A21-1870-32	DRESSING PANEL (CD)		1
607	2G	*	A29-0395-12	PANEL (CD TRAY)		
608	3G		A53-1468-03	CASSETTE HOLDER ASSY (A DECK)		1
610	3G		A53-1470-03	CASSETTE HOLDER ASSY (B DECK)		1
612	3G	*	A53-1862-02	CASSETTE LID(A DECK)		1
613	3G	*	A53-1864-02	CASSETTE LID(B DECK)		1
615	2G	*	A60-0720-21	PANEL		1
616	1H	*	A70-1020-05	REMOTE CONTROLLER ASSY(RC-F3)		
620	3G	*	B10-2100-13	FRONT GLASS (A DECK)		1
621	3G	*	B10-2101-13	FRONT GLASS (B DECK)		1
622	2G	*	B10-2102-12	FRONT GLASS (RECEIVER)		1
-		*	B58-0966-13	CAUTION CARD (ELM)		
-		*	B60-2144-00	INSTRUCTION MANUAL(ENGLISH)		
-		*	B60-2152-10	INSTRUCTION MANUAL(CHINESE)		
-		*	B60-2153-10	INSTRUCTION MANUAL (TAIWANESE)	M	
625	3H	*	D39-0321-05	DAMPER		
⚠ 630	1H		E03-0115-05	AC PLUG ADAPTER		
⚠ 632	1J		E30-2592-15	AC POWER CORD		
635	1J,2I	*	E35-1129-05	FLAT CABLE (33PIN)		
637	1J	*	F07-0757-03	COVER		
639	1J	*	F20-1431-04	INSULATING SHEET		
640	2J	*	F20-1448-03	INSULATING SHEET		
641	2H	*	G01-3766-24	TORSION COIL SPRING		
642	3H	*	G01-3767-24	TORSION COIL SPRING		
643	3G		G02-1040-04	FLAT SPRING		
-		*	H10-7017-12	POLYSTYRENE FOAMED FIXTURE		
-		*	H10-7018-12	POLYSTYRENE FOAMED FIXTURE		
-			H13-0086-04	CARTON BOARD		
-			H25-0632-24	PROTECTION BAG		
-			H25-1509-04	PROTECTION BAG		
-		*	H50-1495-04	ITEM CARTON CASE	M	
-		*	H50-1651-04	ITEM CARTON CASE	I	
647	1J		J19-2808-05	HOLDER		
648	1G		J19-3645-05	AM LOOP ANNTENA STAND		
⚠ 660	1J		J42-0083-05	POWER CORD BUSHING		

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NO. 7

Ref. No.	Address	New Parts	Parts No.	Description	Destination	Remarks
-			J61-0307-05	WIRE BAND		
661	3G		K29-6033-04	KNOB (MIC MIXING)		
662	2H	*	K29-6120-02	KNOB (DUBB.,REC,ARM)		1
663	2H	*	K29-6121-12	KNOB (TUNING,P.CALL)		1
664	2G	*	K29-6122-13	KNOB (DISC SELECTOR)		1
665	2H	*	K29-6123-13	KNOB (INPUT SELECTOR)		1
666	3G	*	K29-6124-14	KNOB (EJECT A)		1
667	3H	*	K29-6125-14	KNOB (EJECT B)		1
668	2G	*	K29-6149-14	KNOB (VOLUME CONTROL)		
⚠ 670	3J	*	L07-1932-05	POWER TRANSFORMER		
B			N09-2900-08	BINDING HEAD TAPTITE SCREW		
673	1H		T90-0182-15	LEAD WIRE ANTENNA		
673	1H		T90-0801-05	LEAD WIRE ANTENNA		
674	1G		T90-0195-05	LOOP ANTENNA		
SURROUND UNIT (X08-267X-XX): RXD-F4/F4L/F42						
C1 ,2			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C3 ,4			CE04LW1V100M	ELECTRO 10UF 35WV		
C5			CF92FV1H394J	MF-C 0.39UF J		
C7			CK45FF1H103Z	CERAMIC 0.010UF Z		
C8			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C9 ,10			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C13 ,14			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C15 ,16			CC45FSL1H470J	CERAMIC 47PF J		
C19 ,20			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C21 ,22			CK45FB1H102K	CERAMIC 1000PF K		
C23 ,24			CE04LW1V220M	ELECTRO 22UF 35WV		
C25 ,26			CK45FB1H222K	CERAMIC 2200PF K		
C27			CQ93FMG1H104J	MYLAR 0.10UF J	YMXTEG	
C28			CE04LW1E471M	ELECTRO 470UF 25WV		
C31 ,32			CQ93FMG1H104J	MYLAR 0.10UF J		
C35 ,36			CK45FF1H472Z	CERAMIC 4700PF Z	KRP	
C35 ,36			CQ93FMG1H822J	MYLAR 8200PF J	YMXTEG	
C37			CQ93FMG1H104J	MYLAR 0.10UF J		
C38			CE04LW1C221M	ELECTRO 220UF 16WV		
C39			CQ93FMG1H333J	MYLAR 0.033UF J		
C40			CQ93FMG1H152J	MYLAR 1500PF J		
C41			CQ93FMG1H333J	MYLAR 0.033UF J		
C42			CE04LW1C221M	ELECTRO 220UF 16WV		
C43			CK45FF1H103Z	CERAMIC 0.010UF Z		
C44			CE04LW1V100M	ELECTRO 10UF 35WV		
C45			CQ93FMG1H103J	MYLAR 0.010UF J		
C46 -48			CC45FSL1H101J	CERAMIC 100PF J		
C49			CQ93FMG1H681J	MYLAR 680PF J		
C50			CF92FV1H474J	MF-C 0.47U J		
C51			CE04LW1C470M	ELECTRO 47UF 16WV		
C52 ,53			CQ93FMG1H104J	MYLAR 0.10UF J		
C54			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C55			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C56			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C57			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C58			CF92FV1H154J	MF-C 0.15UF J		
C59			CE04LW1H3R3M	ELECTRO 3.3UF 50WV		

L: Scandinavia **K:** USA **P:** Canada **1:** SINGAPORE, MALAYSIA made common
Y: PX(Far East, Hawaii) **T:** England **E:** Europe
Y: AAFES(Europe) **X:** Australia **M:** Other Areas

⚠ indicates safety critical components.

* New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

NO. 8

Ref. No.	Address	New Parts	Parts No.	Description	Destination	Remarks
C60 ,61			CF92FV1H154J	MF-C 0.15UF J		
C62			CE04LW1H3R3M	ELECTRO 3.3UF 50WV		
C63			CF92FV1H154J	MF-C 0.15UF J		
C64			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C65			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C66			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C67			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C68 ,69			CQ93FMG1H104J	MYLAR 0.10UF J		
C70			CE04LW1C221M	ELECTRO 220UF 16WV		
C71 -74			CE04LW1V100M	ELECTRO 10UF 35WV		
C75			CE04LW1C221M	ELECTRO 220UF 16WV		
C76			CQ93FMG1H473J	MYLAR 0.047UF J		
C77			CQ93FMG1H223J	MYLAR 0.022UF J		
C78			CE04KW1E472M	ELECTRO 4700UF 25WV		
C79			CE04LW1E332M	ELECTRO 3300UF 25WV		
C80			CF92FV1H105J	MF-C 1.0UF J		
C81			CE04LW1V100M	ELECTRO 10UF 35WV		
C83			CE04LW1C101M	ELECTRO 100UF 16WV		
C84 ,85			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C94 ,95			CC45FSL1H101J	CERAMIC 100PF J		
C96			CE04LW1C220M	ELECTRO 22UF 16WV		
C97 -100			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C101			CE04LW1C470M	ELECTRO 47UF 16WV		
C102			CE04HW1H2R2M	NP-ELEC 2.2UF 50WV		
C103,104			CK45FF1H103Z	CERAMIC 0.010UF Z		
C105,106			CE04LW1C470M	ELECTRO 47UF16W V		
C107			CK45FF1H103Z	CERAMIC 0.010UF Z		
J1			E70-0046-05	LOCK TERMINAL BOARD		
		*	F01-2098-03	HEAT SINK	YMXTEG	
		*	F01-2111-03	HEAT SINK	KRP	
			F20-1339-05	INSULATING BOARD		
			F29-0112-05	INSULATING WASHER		
⚠ F8 ,9			F05-1623-05	FUSE (SEMKO) (250V T1.6AL)	YMXTEG	
⚠ F8 ,9			F06-2525-05	FUSE (UL) (250V 2.5A)	KRP	
CN3 -6			J13-0075-05	FUSE CLIP		
X1			L78-0290-05	RESONATOR (8MHz)		
⚠ R8			RD14NB2E2R2J	RD 2.2 J 1/4W		
R9			RN14BK2C3902F	RN 39.0K F 1/6W		
R33 ,34			RS14KB3A4R7J	FL-PROOF RS 4.7 J 1W		
⚠ R46			RD14NB2E470J	RD 47 J 1/4W		
⚠ R55			RD14NB2E182J	RD 1.8K J 1/4W		
⚠ K2			S51-2094-05	MAGNETIC RELAY	KRP	
⚠ K2			S76-0008-05	MAGNETIC RELAY	YMXTEG	
D1			HZS10N(B)	ZENER DIODE		
D1			RD10ES(B)	ZENER DIODE		
D3 ,4			HSS104A	DIODE		
D3 ,4			1SS131	DIODE		
⚠ D5			D3SBA20F03	DIODE	KRP	
⚠ D5			KBP02ML-6127	DIODE	YMXTEG	
⚠ D5			RBV-402LFA	DIODE	KRP	
D6			HZS3.9N(B2)	ZENER DIODE		

L: Scandinavia **K:** USA **P:** Canada **1:** RXD-F41 **2:** RXD-F42
Y: PX(Far East, Hawaii) **T:** England **E:** Europe **3:** RXD-F3 **4:** RXD-F4
Y: AAFES(Europe) **X:** Australia **M:** Other Areas

⚠ indicates safety critical components.

* New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

NO. 9

Ref. No.	Address	New Parts	Parts No.	Description	Destination	Remarks
D6			RD3.9ES(B2)	ZENER DIODE		
D6			UZ-3.9BSB	ZENER DIODE		
D7			HZS6.2N(B2)	ZENER DIODE		
D7			RD6.2ES(B2)	ZENER DIODE		
D7			UZ-6.2BSB	ZENER DIODE		
D8			HSS104A	DIODE		
D8			1SS131	DIODE		
IC1			LA2785	IC(DOLBY PRO LOGIC DECODER IC)		
IC2			LV1011	DI BI-POLAR IC		
IC3			NJM4565L-D	IC(OP AMP X2)		
IC4		*	TDA7315	ANALOGUE IC		
⚠ IC5 ,6		*	TDA2040V	ANALOGUE IC	YMXTEG	
⚠ IC5 ,6			TDA2050V	ANALOGUE IC		
IC7			XRU4052BC	MOS-IC		
Q1 ,2			2SC2878(B)	TRANSISTOR		
⚠ Q4			2SD2012	TRANSISTOR		
⚠ Q4			2SD2061	TRANSISTOR		
Q5			2SC2003(L,K)	TRANSISTOR		
Q6			DTA113ZS	DIGITAL TRANSISTOR		
Q6			UN4119	TRANSISTOR		
AUDIO UNIT- TUNER (X09) : K. R. P. Y. M. X type						
Q7			DTC124ES	DIGITAL TRANSISTOR		
Q7			UN4212	TRANSISTOR		
C301,302			CK73FB1H103K	CHIP C 0.010UF K		
C304			CE04LW1A470M	ELECTRO 47UF 10WV		
C305			CK73FB1H103K	CHIP C 0.010UF K		
C308			CK73FB1H103K	CHIP C 0.010UF K		
C310			CC73FSL1H102J	CHIP C 1000PF J		
C311			CE04LW1H4R7M	ELECTRO 4.7UF 50WV		
C313			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C314			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C321,322			CQ93FMG1H163J	MYLAR 0.016UF J	MX	3
C321,322			CQ93FMG1H163J	MYLAR 0.016UF J	YMX	4
C321,322			CQ93FMG1H163J	MYLAR 0.016UF J	M	2
C321,322			CQ93FMG1H243J	MYLAR 0.024UF J	KRP	3
C321,322			CQ93FMG1H243J	MYLAR 0.024UF J	KRP	4
C321,322			CQ93FMG1H243J	MYLAR 0.024UF J	KRP	1
C323			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C324			CE04LW1H3R3M	ELECTRO 3.3UF 50WV		
C325			CE04LW1V100M	ELECTRO 10UF 35WV		
C327			CK73FB1E473K	CHIP C 0.047UF K		
C328			CE04LW1V100M	ELECTRO 10UF 35WV		
C331			CE04LW1A470M	ELECTRO 47UF 10WV		
C332			CK45FF1H103Z	CERAMIC 0.010UF Z		
C333			CC73FCH1H270J	CHIP C 27PF J		
C334			CC73FCH1H220J	CHIP C 22PF J		
C335-338			CK73FB1H471K	CHIP C 470PF K		
C339			CE04LW1C470M	ELECTRO 47UF 16WV		
C340			CK73FB1H223K	CHIP C 0.022UF K		
C341			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C342,343			CK73FB1H103K	CHIP C 0.010UF K		
C350			C91-0769-05	CERAMIC 0.010UF K		
C351			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C352			CE04LW1C470M	ELECTRO 47UF 16WV		

L:Scandinavia **K**: USA **P**: Canada **1**: RXD-F41 **2**: RXD-F42
Y: PX(Far East, Hawaii) **T**: England **E**:Europe **3**: RXD-F3 **4**: RXD-F4
Y:AAFES(Europe) **X**: Australia **M**: Other Areas

⚠ indicates safety critical components.

* New Parts
Parts without **Parts No.** are not supplied.
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Teile ohne **Parts No.** werden nicht geliefert.

NO. 10

Ref. No.	Address	New Parts	Parts No.	Description	Destination	Remarks
C355			CK73FB1E104K	CHIP C 0.10UF K		
C357			CC73FSL1H220J	CHIP C 22PF J		
C361			CK73FB1H103K	CHIP C 0.010UF K		
C362			CE04LW1C101M	ELECTRO 100UF 16WV		
C365			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C366			CC73FSL1H102J	CHIP C 1000PF J		
C371			CE04LW1V100M	ELECTRO 10UF 35WV		
C372			CE04LW1C470M	ELECTRO 47UF 16WV		
C403-406			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C407			CK73FB1E473K	CHIP C 0.047UF K		
C412			CC73FSL1H101J	CHIP C 100PF J		
C414			CK73FB1H681K	CHIP C 680PF K		
C417			CK73FB1H681K	CHIP C 680PF K		
C418			CK73FB1H103K	CHIP C 0.010UF K		
C419			CC73FSL1H101J	CHIP C 100PF J		
C421,422			CE04LW1C470M	ELECTRO 47UF 16WV		
C423			CC45FSL1H101J	CERAMIC 100PF J		
C424			CC73FSL1H102J	CHIP C 1000PF J		
C435,436			CQ93FMG1H682J	MYLAR 6800PF J	M	3
C435,436			CQ93FMG1H682J	MYLAR 6800PF J	YM	4
C435,436			CQ93FMG1H682J	MYLAR 6800PF J	M	2
C482			CC73FSL1H150J	CHIP C 15PF J		
J301			E20-0476-05	LOCK TERMINAL BOARD		
KRPMX	3					
J301			E20-0476-05	LOCK TERMINAL BOARD(4P)	KRPYMX	4
J301			E20-0476-05	LOCK TERMINAL BOARD(4P)	M	2
J301			E70-0051-05	LOCK TERMINAL BOARD		
1						
CF301,302			L72-0531-05	CERAMIC FILTER		
CF303			L72-0574-05	CERAMIC FILTER		
L310			L40-1091-17	SMALL FIXED INDUCTOR(1UH)		
L311			L40-1021-14	SMALL FIXED INDUCTOR(1.0MH,K)		
L312			L40-1091-17	SMALL FIXED INDUCTOR(1UH)		
L403			L39-1328-05	COMBINATION COIL	KRPMX	3
L403			L39-1328-05	COMBINATION COIL		1
L403		*	L39-1335-05	COMBINATION COIL	KRPYMX	4
L403		*	L39-1335-05	COMBINATION COIL	M	2
L406			L40-1091-17	SMALL FIXED INDUCTOR(1UH)		
X301			L77-1122-05	CRYSTAL RESONATOR(7.2MHz)	KRPYMX	4
X301			L77-1122-05	CRYSTAL RESONATOR(7.2MHz)	M	2
X301		*	L77-2148-05	CRYSTAL RESONATOR(7.2MHz)	KRPMX	3
X301		*	L77-2148-05	CRYSTAL RESONATOR(7.2MHz)		1
X302			L78-0295-05	RESONATOR (456KHz)		
R301			RK73FB2A681J	CHIP R 680 J 1/10W		
R302			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R303			RK73FB2A331J	CHIP R 330 J 1/10W		
R304			RK73FB2A470J	CHIP R 47 J 1/10W		
R306			RK73FB2A331J	CHIP R		
⚠ R311			RD14NB2E101J	RD 100 J 1/4W		
R315			RK73FB2A391J	CHIP R 390 J 1/10W		
R319			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R321,322			RK73FB2A393J	CHIP R 39K J 1/10W		
R331			RS14KB3D221J	FL-PROOF RS 220 J 2W		
R336,337			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R338			RK73FB2A221J	CHIP R 220 J 1/10W		
R339			RK73FB2A822J	CHIP R 8.2K J 1/10W		

L:Scandinavia **K**: USA **P**: Canada **1**: RXD-F41 **2**: RXD-F42
Y: PX(Far East, Hawaii) **T**: England **E**:Europe **3**: RXD-F3 **4**: RXD-F4
Y:AAFES(Europe) **X**: Australia **M**: Other Areas

⚠ indicates safety critical components.

* New Parts
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NO. 11

Ref. No.	Address	New Parts	Parts No.	Description				Destination	Remarks
R340			RK73FB2A102J	CHIP R	1.0K	J	1/10W		
⚠ R342			RD14NB2E101J	RD	100	J	1/4W		
R343			RK73FB2A103J	CHIP R	10K	J	1/10W		
R352			RK73FB2A472J	CHIP R	4.7K	J	1/10W		
R364			RK73FB2A104J	CHIP R	100K	J	1/10W		
R401,402			RK73FB2A333J	CHIP R	33K	J	1/10W		
R405,406			RK73FB2A123J	CHIP R	12K	J	1/10W		
⚠ R411			RD14NB2E331J	RD	330	J	1/4W		H
⚠ R411			RD14NB2E331J	RD	330	J	1/4W		1
⚠ R411			RD14NB2E470J	RD	47	J	1/4W		S
R418			RK73FB2A122J	CHIP R	1.2K	J	1/10W		
R419			RK73FB2A123J	CHIP R	12K	J	1/10W		
R422			RK73FB2A122J	CHIP R	1.2K	J	1/10W		
R423			RK73FB2A123J	CHIP R	12K	J	1/10W		
R424			RK73FB2A103J	CHIP R	10K	J	1/10W		
R425,426			RK73FB2A332J	CHIP R	3.3K	J	1/10W		
⚠ R427,428			RD14NB2E101J	RD	100	J	1/4W		
R431,432			RK73FB2A393J	CHIP R	39K	J	1/10W		
R438,439			RK73FB2A561J	CHIP R	560	J	1/10W	M	3
R438,439			RK73FB2A561J	CHIP R	560	J	1/10W	YM	4
R438,439			RK73FB2A561J	CHIP R	560	J	1/10W	M	2
R440,441			RK73FB2A473J	CHIP R	47K	J	1/10W	M	3
R440,441			RK73FB2A473J	CHIP R	47K	J	1/10W	YM	4
R440,441			RK73FB2A473J	CHIP R	47K	J	1/10W	M	2
R451			RK73FB2A911J	CHIP R	910	J	1/10W		
R452			RK73FB2A473J	CHIP R	47K	J	1/10W		
R453			RK73FB2A472J	CHIP R	4.7K	J	1/10W		
R457			RK73FB2A102J	CHIP R	1.0K	J	1/10W		
R467			RK73FB2A104J	CHIP R	100K	J	1/10W		
W401,402			R92-0679-05	CHIP R	0 OHM			KRPMX	3
W401,402			R92-0679-05	CHIP R	0 OHM				1
W403			R92-0670-05	CHIP R	0 OHM				
W404,405			R92-0679-05	CHIP R	0 OHM				
W406			R92-0670-05	CHIP R	0 OHM				
W407			R92-0679-05	CHIP R	0 OHM				
W408			R92-0670-05	CHIP R	0 OHM				
W409			R92-0679-05	CHIP R	0 OHM				
W410			R92-0670-05	CHIP R	0 OHM				
W411			R92-0679-05	CHIP R	0 OHM				
W412			R92-0670-05	CHIP R	0 OHM			MX	3
W412			R92-0670-05	CHIP R	0 OHM			KRPYMX	4
W412			R92-0670-05	CHIP R	0 OHM			M	2
W412-414			R92-0670-05	CHIP R	0 OHM			KRP	3
W412-414			R92-0670-05	CHIP R	0 OHM				1
W501-504			R92-0670-05	CHIP R	0 OHM				
S301			S62-0034-05	SLIDE SWITCH				M	3
S301			S62-0034-05	SLIDE SWITCH				YM	4
S301			S62-0034-05	SLIDE SWITCH				M	2
D303			HZS5.1N(B2)	ZENER DIODE					
D303			RD5.1ES(B2)	ZENER DIODE					
D303			UZ-5.1BSB	ZENER DIODE					
D304			HZS3.3N(B2)	ZENER DIODE					
D304			RD3.3ES(B2)	ZENER DIODE					
D304			UZ-3.3BSB	ZENER DIODE					

L:Scandinavia **K:** USA **P:** Canada **1:** RXD-F41 **2:** RXD-F42
Y: PX(Far East, Hawaii) **T:** England **E:**Europe **3:** RXD-F3 **4:** RXD-F4
Y:AAFES(Europe) **X:** Australia **M:** Other Areas **H:** HUIZHOU made
S: SINGAPORE made ⚠ indicates safety critical components.

* New Parts
Parts without **Parts No.** are not supplied.
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Teile ohne **Parts No.** werden nicht geliefert.

NO. 12

PRef. No.	Address	New Parts	Parts No.	Description			Destination	Remarks
D307,308			HSS104	DIODE				
D307,308			1SS133	DIODE				
D311			HZS5.6N(B2)	ZENER DIODE				
D311			RD5.6ES(B2)	ZENER DIODE				
D311			UZ-5.6BSB	ZENER DIODE				
D411,412			HSS104	DIODE				
D411,412			1SS133	DIODE				
IC301			LA1831A-KEN	ANALOGUE IC				
IC302			LC7218	IC(PLL FREQUENCY SYNTHESIZER)				
IC312			NJM4565D	IC(OP AMP X2)				
Q301			2SC2714(R,O)	TRANSISTOR				
Q302			2SC1845(F,E)	TRANSISTOR				
Q303			2SC1740S(Q,R)	TRANSISTOR				
Q303			2SC2458(Y,GR)	TRANSISTOR				
Q303			2SC2785(F,E)	TRANSISTOR				
Q303			2SC3311A(Q,R)	TRANSISTOR				
Q307			2SC2412K	TRANSISTOR				
Q311			2SD863(E,F)	TRANSISTOR				
Q402			2SA1037K	TRANSISTOR				
Q404			2SA1037K	TRANSISTOR				
Q407,408			2SC2412K	TRANSISTOR			M3	
Q407,408			2SC2412K	TRANSISTOR			YM	4
Q407,408			2SC2412K	TRANSISTOR			M	2
Q409,410			2SD1757K	TRANSISTOR				
Q411			2SA1037K	TRANSISTOR				
A301			W02-1190-05	FM FRONT-END ASSY			KRPYMX	4
A301			W02-1190-05	FM FRONT-END ASSY			M	2
A301		*	W02-2520-05	FM FRONT-END ASSY			KRPMX	3
A301		*	W02-2520-05	FM FRONT-END ASSY				1
AUDIO UNIT - TUNER (X09-) : T.E.G. type								
C301,302			CK73FB1H103K	CHIP C	0.010UF	K		
C303			CE04LW1V100M	ELECTRO	10UF	35WV		
C304			CK73FB1E473K	CHIP C	0.047UF	K		
C305			CE04LW1V100M	ELECTRO	10UF	35WV		
C306			CK73FB1E473K	CHIP C	0.047UF	K		
C307			CE04LW1V100M	ELECTRO	10UF	35WV		
C308			CE04LW1H010M	ELECTRO	1.0UF	50WV		
C309			CE04LW1HR47M	ELECTRO	0.47UF	50WV		
C310			CE04LW1H2R2M	ELECTRO	2.2UF	50WV		
C311			CE04LW1HR47M	ELECTRO	0.47UF	50WV		
C312			CK73FB1E473K	CHIP C	0.047UF	K		
C313			CC73FCH1H220J	CHIP C	22PF	J		
C314			CE04LW1A101M	ELECTRO	100UF	10WV		
C315			CK73FB1H472K	CHIP C	4700PF	K		
C316			CE04LW1H010M	ELECTRO	1.0UF	50WV		
C317,318			CE04LW1V100M	ELECTRO	10UF	35WV		
C319,320			CQ93FMG1H223J	MYLAR	0.022UF	J		
C322			CK73FB1H102K	CHIP C	1000PF	K		
C323,324			CE04LW1H2R2M	ELECTRO	2.2UF	50WV		
C325,326			CK45FB1H471K	CERAMIC	470PF	K		
C327			CK73FB1E473K	CHIP C	0.047UF	K		
C328			CC45FSL1H150J	CERAMIC	15PF	J		
C330			CE04LW1C470M	ELECTRO	47UF	16WV		
C331			CK45FF1H473Z	CERAMIC	0.047UF	Z		
C332			CK73FB1H103K	CHIP C	0.010UF	K		

L:Scandinavia **K:** USA **P:** Canada **1:** RXD-F41 **2:** RXD-F42
Y: PX(Far East, Hawaii) **T:** England **E:**Europe **3:** RXD-F3 **4:** RXD-F4
Y:AAFES(Europe) **X:** Australia **M:** Other Areas ⚠ indicates safety critical components.

* New Parts
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Teile ohne **Parts No.** werden nicht geliefert.

NO. 13

Ref. No.	Address	New Parts	Parts No.	Description			Destination	Remarks
C333			CC73FCH1H270J	CHIP C	27PF	J		
C334			CC73FCH1H220J	CHIP C	22PF	J		
C335-338			CK73FB1H471K	CHIP C	470PF	K		
C339			CE04LW1C470M	ELECTRO	47UF	16WV		
C340			CQ93FMG1H223J	MYLAR	0.022UF	J		
C341			CE04LW1H2R2M	ELECTRO	2.2UF	50WV		
C342,343			CK73FB1H103K	CHIP C	0.010UFK			
C344			CE04LW1A470M	ELECTRO	47UF	10WV		
C345			CE04LW1C470M	ELECTRO	47UF	16WV		
C346			CE04LW1H010M	ELECTRO	1.0UF	50WV		
C347			CK73FB1H103K	CHIPC	0.010UFK			
C348			CE04LW1H010M	ELECTRO	1.0UF	50WV		
C349			CK73FB1H103K	CHIPC	0.010UFK			
C354			CE04LW1C470M	ELECTRO	47UF	16WV		
C356			CC73FCH1H060D	CHIPC	6.0PF	D		
C357			CC73FCH1H220J	CHIPC	22PF	J		
C358			CK73FB1E473K	CHIPC	0.047UFK			
C359			CK45FF1H103Z	CERAMIC	0.010UFZ			
C360			CC73FSL1H101J	CHIPC	100PF	J		
C361			C91-0745-05	CERAMIC	100PF	K		
C362			CC45FSL1H020C	CERAMIC	2.0PF	C		H
C362			CC45FSL1H030C	CERAMIC	3.0PF	C		S
C363			CK73FB1H103K	CHIPC	0.010UFK			
C364			CC45FSL1H101J	CERAMIC	100PF	J		
C365			CK73FB1H103K	CHIPC	0.010UFK			
J301			E20-0321-05	LOCKTERMINALBOARD				
CF301,302			L72-0536-05	CERAMICFILTER				
L303			L30-0910-05	FMIFT				
L306			L39-1325-05	COMBINATIONCOIL			T	H 3
L306			L39-1328-05	COMBINATIONCOIL			EG	H 3
L306		*	L39-1335-05	COMBINATIONCOIL			EG	S
L306		*	L39-1336-05	COMBINATIONCOIL			T	S
L307			L30-0911-05	AMIFT				
L308,309			L40-1091-17	SMALLFIXEDINDUCTOR				
L311			L40-1001-17	SMALLFIXEDINDUCTOR(10UH,K)				
X301			L77-1122-05	CRYSTALRESONATOR(7.2MHz)				4
X301			L77-1122-05	CRYSTALRESONATOR(7.2MHz)				S 3
X301		*	L77-2148-05	CRYSTALRESONATOR(7.2MHz)				H 3
X302			L78-0295-05	RESONATOR (456kHz)				
R301			RK73FB2A681J	CHIPR	680	J1/10W		
R302			RK73FB2A332J	CHIPR	3.3K	J1/10W		
R303			RK73FB2A331J	CHIPR	330	J1/10W		
R304			RK73FB2A100J	CHIPR	10	J1/10W		
R306			RK73FB2A331J	CHIPR	330	J1/10W		
R307			RK73FB2A392J	CHIPR	3.9K	J1/10W		
R311			RK73FB2A562J	CHIPR	5.6K	J1/10W		
R312			RK73FB2A302J	CHIPR	3.0K	J1/10W		
R313			RK73FB2A333J	CHIPR	33K	J1/10W		
R316			RK73FB2A104J	CHIPR	100K	J1/10W		
R317			RK73FB2A392J	CHIPR	3.9K	J1/10W		
R318			RK73FB2A333J	CHIPR	33K	J1/10W		
R331			RK73FB2A822J	CHIPR	8.2K	J1/10W		
R336,337			RK73FB2A102J	CHIPR	1.0K	J1/10W		
R340			RK73FB2A471J	CHIPR	470	J1/10W		

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NO. 14

Ref. No.	Address	New Parts	Parts No.	Description				Destination	Remarks
⚠ R342			RD14NB2E101J	RD	100	J	1/4W		
R343			RK73FB2A103J	CHIP R	10K	J	1/10W		
R358			RK73FB2A104J	CHIP R	100K	J	1/10W		
R359			RK73FB2A122J	CHIP R	1.2K	J	1/10W	T	
R360			RK73FB2A123J	CHIP R	12K	J	1/10W	T	
R361			RK73FB2A122J	CHIP R	1.2K	J	1/10W		
R362			RK73FB2A123J	CHIP R	12K	J	1/10W		
R363			RK73FB2A122J	CHIP R	1.2K	J	1/10W		
R364			RK73FB2A123J	CHIP R	12K	J	1/10W		
R372			RK73FB2A122J	CHIP R	1.2K	J	1/10W	T	
R373			RK73FB2A223J	CHIP R	22K	J	1/10W	T	
R374			RK73FB2A123J	CHIP R	12K	J	1/10W	T	
R375			RK73FB2A182J	CHIP R	1.8K	J	1/10W	T	
R376			RK73FB2A104J	CHIP R	100K	J	1/10W	T	
⚠ R378			RD14NB2E470J	RD	47	J	1/4W		
R379			RS14KB3D221J	FL-PROOF RS	220	J	2W		
R381			RK73FB2A563J	CHIP R	56K	J	1/10W		
W401,402			R92-0679-05	CHIP R	0 OHM				
W403			R92-0670-05	CHIP R	0 OHM				
W404,405			R92-0679-05	CHIP R	0 OHM				
W406			R92-0670-05	CHIP R	0 OHM				
W407			R92-0679-05	CHIP R	0 OHM				
W408			R92-0670-05	CHIP R	0 OHM				
W409			R92-0679-05	CHIP R	0 OHM				
W410			R92-0670-05	CHIP R	0 OHM				
W411			R92-0679-05	CHIP R	0 OHM				
W412			R92-0670-05	CHIP R	0 OHM				
D301,302			HSS104	DIODE					
D301,302			1SS133	DIODE					
D303			HZS5.1N(B2)	ZENER DIODE					
D303			RD5.1ES(B2)	ZENER DIODE					
D303			UZ-5.1BSB	ZENER DIODE					4
D304			HZS8.2N(B2)	ZENER DIODE					
D304			RD8.2ES(B2)	ZENER DIODE					
D304			UZ-8.2BSB	ZENER DIODE					4
D305			HSS104	DIODE					
D305			1SS133	DIODE					
D306			HZS3.3N(B2)	ZENER DIODE					
D306			RD3.3ES(B2)	ZENER DIODE					
D306			UZ-3.3BSB	ZENER DIODE					
D310			HSS104	DIODE				T	
D310			1SS133	DIODE				T	
IC301			LA1836	ANALOGUE IC					
IC302			LC7218	IC(PLL FREQUENCY SYNTHESIZER)					
Q301			2SC2714(R,O)	TRANSISTOR					
Q302			2SC1845(F,E)	TRANSISTOR					
Q303			2SC4081(R,S)	TRANSISTOR					
Q305			2SC1740S(Q,R)	TRANSISTOR					
Q305			2SC2458(Y,GR)	TRANSISTOR					
Q305			2SC2785(F,E)	TRANSISTOR					
Q305			2SC3311A(Q,R)	TRANSISTOR					
Q306			2SA1576(R,S)	TRANSISTOR				T	
Q307,308			2SA1576(R,S)	TRANSISTOR					
Q309			2SD863(E,F)	TRANSISTOR					

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NO. 15

Ref. No.	Address	New Parts	Parts No.	Description			Destination	Remarks
Q310			2SA1048(Y,GR)	TRANSISTOR				
Q310			2SA1175(F,E)	TRANSISTOR				
Q310			2SA1309A(Q,R)	TRANSISTOR				
Q310			2SA933S(Q,R)	TRANSISTOR				
Q311,312			2SD1302(S,T)	TRANSISTOR				
Q311,312			2SD1450(S,T)	TRANSISTOR				
Q313-315			2SC4081(R,S)	TRANSISTOR			T	
A301			W02-2509-05	FM FRONT-END ASSY				
AUDIO UNIT- EXCEPT TUNER (X09-)								
C1 ,2			CC73FSL1H221J	CHIP C	220PF	J	KRPYMX	
C1 ,2			CC73FSL1H471J	CHIP C	470PF	J		
C3 -9			CE04LW1V4R7M	ELECTRO	4.7UF	35WV		
C10			CE04LW1V100M	ELECTRO	10UF	35WV		
C11			CE04LW1HR22M	ELECTRO	0.22UF	50WV		
C12			CC45FSL1H220J	CERAMIC	22PF	J		
C13			CE04LW1H010M	ELECTRO	1.0UF	50WV		
C14			CQ93FMG1H223J	MYLAR	0.022UF	J		
C29 ,30			CE04LW1C220M	ELECTRO	22UF	16WV		
C31			CE04LW1H010M	ELECTRO	1.0UF	50WV		
C32			CE04LW1V100M	ELECTRO	10UF	35WV		
C33 -36			CE04LW1V4R7M	ELECTRO	4.7UF	35WV		
C37			CE04LW1C220M	ELECTRO	22UF	16WV		
C38 ,39			CK73FB1E104K	CHIP C	0.10UF	K		
C40			CK73FB1H562K	CHIP C	5600PF	K		
C41			CF92FV1H684J	MF-C	0.68UF	J		
C42 ,43			CK73FF1E154Z	CHIP C	0.15UF	Z		
C44 ,45			CK73FB1H223K	CHIP C	0.022UF	K		
C46			CQ93FMG1H122J	MYLAR	1200PF	J		
C47			CK73FB1H222K	CHIP C	2200PF	K		
C48 ,49			CK73FF1E154Z	CHIP C	0.15UF	Z		
C50 ,51			CK73FB1H562K	CHIP C	5600PF	K		
C71 ,72			CC45FSL1H101J	CERAMIC	100PF	J		
C73 ,74		*	C90-3413-05	ALMINIUM ELECTROLYTIC C.				
C75 -78			CQ93FMG1H103J	MYLAR	0.010UF	J		
C79 ,80			CK45FB1H102K	CERAMIC	1000PF	K		
C81 ,82			CK45FB1H102K	CERAMIC	1000PF	K	TEG	4
C81 ,82			CK45FB1H102K	CERAMIC	1000PF	K	TEG	3
C83 ,84			CQ93FMG1H153J	MYLAR	0.015UF	J	TEG	4
C83 ,84			CQ93FMG1H153J	MYLAR	0.015UF	J	TEG	3
C87			CC45FSL1H331J	CERAMIC	330PF	J		
C88 ,89			CE04LW1H010M	ELECTRO	1.0UF	50WV		
C90			CK45FB1H821K	CERAMIC	820PF	K		
C92			CC45FSL1H331J	CERAMIC	330PF	J		
C93			CE04LW1H010M	ELECTRO	1.0UF	50WV		
C97			CE04LW1H010M	ELECTRO	1.0UF	50WV	M	3
C97			CE04LW1H010M	ELECTRO	1.0UF	50WV	M	2
C98			CQ93FMG1H103J	MYLAR	0.010UF	J	M	3
C98			CQ93FMG1H103J	MYLAR	0.010UF	J	M	2
C99			CQ93FMG1H222J	MYLAR	2200PF	J	M	3
C99			CQ93FMG1H222J	MYLAR	2200PF	J	M	2
C100			CQ93FMG1H104J	MYLAR	0.10UF	J	M	3
C100			CQ93FMG1H104J	MYLAR	0.10UF	J	M	2
C101,102			CF92FV1H224J	MF-C	0.22UF	J	M	3
C101,102			CF92FV1H224J	MF-C	0.22UF	J	M	2

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NO. 16

Ref. No.	Address	New Parts	Parts No.	Description			Destination	Remarks
C103			CF92FV1H105J	MF-C	1.0UF	J	M	3
C103			CF92FV1H105J	MF-C	1.0UF	J	M	2
C104			CE04LW1H010M	ELECTRO	1.0UF	50WV	M	3
C104			CE04LW1H010M	ELECTRO	1.0UF	50WV	M	2
C105			CQ93FMG1H222J	MYLAR	2200PF	J	M	3
C105			CQ93FMG1H222J	MYLAR	2200PF	J	M	2
C106			CQ93FMG1H103J	MYLAR	0.010UF	J	M	3
C106			CQ93FMG1H103J	MYLAR	0.010UF	J	M	2
C107			CQ93FMG1H104J	MYLAR	0.10UF	J	M	3
C107			CQ93FMG1H104J	MYLAR	0.10UF	J	M	2
C108			CE04LW1C470M	ELECTRO	47UF	16WV	M	3
C108			CE04LW1C470M	ELECTRO	47UF	16WV	M	2
C109			CC73FSL1H680J	CHIP C	68PF	J	M	3
C109			CC73FSL1H680J	CHIP C	68PF	J	M	2
C110			CE04LW1A470M	ELECTRO	47UF	10WV		
C110			CE04LW1A470M	ELECTRO	47UF	10WV	M	2
C112			CE04LW1A470M	ELECTRO	47UF	10WV		
C114			CE04LW1C470M	ELECTRO	47UF	16WV		
C115,116			C90-3561-05	ELECTRO	4700UF	50WV		
C117,118			CQ93FMG1H104J	MYLAR	0.10UF	J		
C123			CE04LW1V332M	ELECTRO	3300UF	35WV		
C125			CE04LW1V471M	ELECTRO	470UF	35WV		
C128			CE04LW1H101M	ELECTRO	100UF	50WV		
C129			CE04LW1E101M	ELECTRO	100UF	25WV		
C131			CE04LW1H101M	ELECTRO	100UF	50WV		
C134			CE04LW1V330M	ELECTRO	33UF	35WV		
C135			CE04LW1V222M	ELECTRO	2200UF	35WV		
C136,137			CQ93FMG1H104J	MYLAR	0.10UF	J		
C138			CE04LW1A470M	ELECTRO	47UF	10WV		
C139			CE04LW1V4R7M	ELECTRO	4.7UF	35WV		
C141			CE04LW1V330M	ELECTRO	33UF	35WV		
C142			CE04LW1V221M	ELECTRO	220UF	35WV		
⚠ C144			C91-1488-05	MF	6800PF	250VAC		
C146			CE04LW1H2R2M	ELECTRO	2.2UF	50WV		
C147			CE04LW1H100M	ELECTRO	10UF	50WV		
C150,151			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C152			CE04LW1C470M	ELECTRO	47UF	16WV		
C154,155			CE04LW1C470M	ELECTRO	47UF	16WV		
C156			CE04LW1C221M	ELECTRO	220UF	16WV		
C160			CK73FB1H471K	CHIP C	470PF	K		
C163,164			CC73FSL1H101J	CHIP C	100PF	J		
C166,167			CK73FB1H103K	CHIP C	0.010UF	K		
C170			CK73FB1H103K	CHIP C	0.010UF	K		
C171			CK45FF1H103Z	CERAMIC	0.010UF	Z		
C173-176			CE04LW1V4R7M	ELECTRO	4.7UF	35WV		
C177			CK73FB1H103K	CHIP C	0.010UF	K		
C178			CE04LW1C100M	ELECTRO	10UF	16WV	M	3
C178			CE04LW1C100M	ELECTRO	10UF	16WV	M	2
C179,180			CE04LW1V4R7M	ELECTRO	4.7UF	35WV		
C182			CE04LW1H010M	ELECTRO	1.0UF	50WV	M	3
C182			CE04LW1H010M	ELECTRO	1.0UF	50WV	M	2
C183			CE04LW1V221M	ELECTRO	220UF	35WV		2
C183			CE04LW1V221M	ELECTRO	220UF	35WV		3
C183			CE04LW1V221M	ELECTRO	220UF	35WV		1
C183			CE04LW1V221M	ELECTRO	220UF	35WV	YMXTEG	4

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NO. 17

Ref. No.	Address	New Parts	Parts No.	Description	Destination	Remarks
C183			C90-3398-05	ELECTRO 220UF 35WV	KRP	4
C185,186			CC73FSL1H470	CHIP C 47PF J	TEG	3
C185,186			CC73FSL1H470J	CHIP C 47PF J	TEG	4
C187,188			CE04LW1V100M	ELECTRO 10UF 35WV		
C189,190			CE04HW1H101M	NP-ELEC 100UF 50WV		1
C191			CE04LW1H221M	ELECTRO 220UF 50WV		
C192			CE04LW1C100M	ELECTRO 10UF 16WV		
C193			CK73FB1E104K	CHIP C 0.10UF K		
C195			C91-0750-05	CERAMIC 270PF K		
C500			CK45FB1H102K	CERAMIC 1000PF K	KRP	3
C500			CK45FB1H102K	CERAMIC 1000PF K	KRPYM4	
C500			CK45FB1H102K	CERAMIC 1000PF K		1
C601			CE04LW1H3R3M	ELECTRO 3.3UF 50WV		
C602			CC45FSL1H101J	CERAMIC 100PF J	M	3
C602			CC45FSL1H101J	CERAMIC 100PF J	M	2
CN1			E40-4804-05	SOCKET FOR PIN ASSY		
CN2		*	E40-4858-05	SOCKET FOR PIN ASSY		
CN3			E40-4796-05	PIN ASSY		
CN4 ,5			E40-4809-05	PIN ASSY		
CN6	2I	*	E40-4920-05	FLAT CABLE CONNCTOR		
CN7			E40-4284-05	FLAT CABLE CONNCTOR		
CN7 ,8			E40-4297-05	FLAT CABLE CONNCTOR	M	2
CN8			E40-4298-05	FLAT CABLE CONNCTOR		
CN201			E40-4245-05	PIN ASSY	TEG	3
CN202			E40-4245-05	PIN ASSY		
J1			E63-0096-05	PHONO JACK		1S
J1			E63-0096-05	PHONO JACK		4S
J1			E63-0096-05	PHONO JACK	M	2
J1			E63-0096-05	PHONO JACK		W
J1			E63-0096-05	PHONO JACK		4W
J1		*	E63-0144-05	PHONO JACK		3H
J1		*	E63-0144-05	PHONO JACK		1H
J2 ,3		*	E11-0283-05	MINIATURE PHONE JACK MIC1/MIC2		
J4		*	E11-0280-05	PHONE JACK		1H
J4		*	E11-0280-05	PHONE JACK		3H
J4		*	E11-0282-05	PHONE JACK		4
J4		*	E11-0282-05	PHONE JACK		1S
J4			E11-0282-05	PHONE JACK	M	2
J4		*	E11-0282-05	PHONE JACK		3S
J5			E70-0032-05	LOCK TERMINAL BOARD	KRP	3
J5			E70-0032-05	LOCK TERMINAL BOARD	KRP	4
J5			E70-0032-05	LOCK TERMINAL BOARD		1
J5			E70-0048-05	LOCK TERMINAL BOARD	MXTEG	3
J5			E70-0048-05	LOCK TERMINAL BOARD	YMXTEG	4
J5			E70-0048-05	LOCK TERMINAL BOARD	M	2
⚠ J6			E03-0316-05	AC OUTLET		
⚠ F1			F05-6029-05	FUSE (UL) (125V 6A)	KRP	3
⚠ F1			F05-6029-05	FUSE (UL) (125V 6A)	KRP	4
⚠ F1			F05-6029-05	FUSE (UL) (125V 6A) 1		
⚠ F1 ,2			F05-3121-05	FUSE (SEMKO) (250V T3.15AL)	M	3
⚠ F1 ,2			F05-3121-05	FUSE (SEMKO) (250V T3.15AL)	YM	4
⚠ F1 ,2			F05-3121-05	FUSE (SEMKO) (250V T3.15AL)	M	2
⚠ F3 ,4			F05-5025-05	FUSE (SEMKO) (250V T5A L)	MXTEG	3
⚠ F3 ,4			F05-5025-05	FUSE (SEMKO) (250V T5A L)	YMXTEG	4

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NO. 18

Ref. No.	Address	New Parts	Parts No.	Description	Destination	Remarks
⚠ F3 ,4			F05-5025-05	FUSE (SEMKO) (250V T5A L)	M	2
⚠ F3 ,4			F05-6029-05	FUSE (UL) (125V 6A)	KRP	3
⚠ F3 ,4			F05-6029-05	FUSE (UL) (125V 6A)	KPR	4
⚠ F3 ,4			F05-6029-05	FUSE (UL) (125V 6A)		1
⚠ F5			F06-1022-05	FUSE (SEMKO) (250V T1AL)	MXTEG	3
⚠ F5			F06-1022-05	FUSE (SEMKO) (250V T1AL)	YMXTEG	4
⚠ F5			F06-1022-05	FUSE (SEMKO) (250V T1AL)	M	2
⚠ F5			F06-1222-05	FUSE (UL) (250V 1.25A)	KRP	3
⚠ F5			F06-1222-05	FUSE (UL) (250V 1.25A)	KPR	4
⚠ F5			F06-1222-05	FUSE (UL) (250V 1.25A)		1
⚠ F6			F04-2025-05	FUSE (UL) (250V 2A)	KRP	3
⚠ F6			F04-2025-05	FUSE (UL) (250V 2A)	KRP	4
⚠ F6			F04-2025-05	FUSE (UL) (250V 2A)		1
⚠ F6			F05-1623-05	FUSE (SEMKO) (250V T1.6AL)	MXTEG	3
⚠ F6			F05-1623-05	FUSE (SEMKO) (250V T1.6AL)	YMXTEG	4
⚠ F6			F05-1623-05	FUSE (SEMKO) (250V T1.6AL)	M	2
⚠ F7			F50-0062-05	FUSE(5X20)	KRP	3
⚠ F7			F50-0062-05	FUSE(5X20)	KRP	4
⚠ F7			F50-0062-05	FUSE(5X20)		1
-		*	J21-6254-14	MOUNTING HARDWARE	TEG	
-		*	J21-6255-14	MOUNTING HARDWARE	TEG	
-			J61-0307-05	WIRE BAND		3
-			J61-0307-05	WIRE BAND	TEG	
CN101-108			J13-0075-05	FUSE CLIP		
CN109,110			J13-0075-05	FUSE CLIP	M	2
CN109,110			J13-0075-05	FUSE CLIP	M	3
CN109,110			J13-0075-05	FUSE CLIP	YM	4
CN111,112			J13-0075-05	FUSE CLIP	KRPM	3
CN111,112			J13-0075-05	FUSE CLIP	KRPYM	4
CN111,112			J13-0075-05	FUSE CLIP	M	2
CN113,114			J13-0075-05	FUSE CLIP	KRP	4
CN113,114			J13-0075-05	FUSE CLIP	KRP	3
CN113,114			J13-0075-05	FUSE CLIP		1
L1 ,2			L39-0085-05	PHASE COMPENSATION COIL	TEG	3
L1 ,2			L39-0085-05	PHASE COMPENSATION COIL	TEG	4
R1			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R4 -7			RK73FB2A224J	CHIP R 220K J 1/10W		
R8			RK73EB2B224J	CHIP R 220K J 1/8W		
R9 -12			RK73FB2A224J	CHIP R 220K J 1/10W		
R14				CHIP R 220K J 1/10W		
R43 ,44			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R51 ,52			RK73FB2A562J	CHIP R 5.6K J 1/10W		
R55 ,56			RK73FB2A104J	CHIP R 100K J 1/10W		
R107-110			RD14NB2E100J	RD 10 J 1/4W		
R111-114			RS14KB3DR22J	FL-PROOF RS 0.22 J 2W		
R119		*	RK73EB2B683J	CHIP R 68K J 1/8W		
R121-124			RD14NB2E681J	RD 680 J 1/4W		
R125,126			RD14NB2E4R7J	RD 4.7 J 1/4W	TEG	3
R125,126			RD14NB2E4R7J	RD 4.7 J 1/4W	TEG	4
R170			RK73FB2A682J	CHIP R 6.8K J 1/10W		
R171			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R172			RK73FB2A561J	CHIP R 560 J 1/10W		
R173		*	RK73EB2B562J	CHIP R 5.6K J 1/8W		
R176,177			RK73EB2B103J	CHIP R 10K J 1/8W		

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NO. 19

Ref. No.	Address	New Parts	Parts No.	Description	Destination	Remarks
R178,179			RK73EB2B681J	CHIP R 680 J 1/8W		
R185			RS14KB3A152J	FL-PROOF RS 1.5K J 1W		
R187			RK73FB2A823J	CHIP R 82K J 1/10W		
R188			RK73FB2A104J	CHIP R 100K J 1/10W		
R189			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R190			RK73FB2A473J	CHIP R 47K J 1/10W		
R191			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R192			RK73FB2A103J	CHIP R 10K J 1/10W		
R194			RK73FB2A103J	CHIP R 10K J 1/10W		
R195			RS14KB3D150J	FL-PROOF RS 15 J 2W		1
R195			RS14KB3D330J	FL-PROOF RS 33 J 2W		3
R195			RS14KB3D330J	FL-PROOF RS 33 J 2W		4
R195			RS14KB3D330J	FL-PROOF RS 33 J 2W	M	2
R197			RK73FB2A103J	CHIP R 10K J 1/10W		4
⚠ R198			RS14KB3D330J	FL-PROOF RS 33 J 2W		4
R199			RK73FB2A682J	CHIP R 6.8K J 1/10W	MXTEG	3
R199			RK73FB2A682J	CHIP R 6.8K J 1/10W	YMXTEG	4
R199			RK73FB2A682J	CHIP R 6.8K J 1/10W	M	2
⚠ R201			RS14KB3A330J	FL-PROOF RS 33 J 1W	MXTEG	3
⚠ R201			RS14KB3A330J	FL-PROOF RS 33 J 1W	YMXTEG	4
⚠ R201			RS14KB3A330J	FL-PROOF RS 33 J 1W	M	2
⚠ R207			RD14NB2E100J	RD 10 J 1/4W		
⚠ R209			RD14NB2E220J	RD 22 J 1/4W		
⚠ R210,211			RD14NB2E100J	RD 10 J 1/4W		
⚠ R212			RD14NB2E101J	RD 100 J 1/4W		
R215,216			RK73FB2A222J	CHIP R 2.2K J 1/10W	MXTEG	3
R215,216			RK73FB2A222J	CHIP R 2.2K J 1/10W		4
R215,216			RK73FB2A222J	CHIP R 2.2K J 1/10W	M	2
R217,218			RK73FB2A224J	CHIP R 220K J 1/10W		
R220			RK73FB2A103J	CHIP R 10K J 1/10W		
R221			RK73EB2B103J	CHIP R 10K J 1/8W		
R226			RK73FB2A391J	CHIP R 390 J 1/10W		
R228			RK73FB2A101J	CHIP R 100 J 1/10W		
R254			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R256			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R258			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R259			RK73EB2B183J	CHIP R 18K J 1/8W		
R261-263			RK73FB2A104J	CHIP R 100K J 1/10W		
R265,266			RK73FB2A103J	CHIP R 10K J 1/10W	MXTEG	3
R265,266			RK73FB2A103J	CHIP R 10K J 1/10W		4
R265,266			RK73FB2A103J	CHIP R 10K J 1/10W	M	2
R269,270			RS14KB3D4R7J	FL-PROOF RS 4.7 J 2W		
⚠ R271			RS14KB3D221J	FL-PROOF RS 220 J 2W		
R272			RD14NB2E121J	RD 120 J 1/4W	M	3
R272			RD14NB2E121J	RD 120 J 1/4W	M	2
⚠ R273			R92-1769-05	CARBON 3.3M J 1/2W	KRP	3
⚠ R273			R92-1769-05	CARBON 3.3M J 1/2W	KRP	4
⚠ R273			R92-1769-05	CARBON 3.3M J 1/2W		1
R274			RK73FB2A473J	CHIP R 47K J 1/10W		
R276			RK73FB2A225J	CHIP R 2.2M J 1/10W	M	3
R276			RK73FB2A225J	CHIP R 2.2M J 1/10W	M	2
VR1			R31-0002-05	VARIABLE RESISTOR		
VR2			R31-0028-05	VARIABLE RESISTOR		
W501-505			R92-0670-05	CHIP R 0 OHM	TEG	
W512			R92-0679-05	CHIP R 0 OHM	TEG	

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NO. 20

Ref. No.	Address	New Parts	Parts No.	Description	Destination	Remarks
W513			R92-0679-05	CHIP R 0 OHM	T	
W516			R92-0670-05	CHIP R 0 OHM	TEG	
W518-522			R92-0670-05	CHIP R 0 OHM	EG	
W521			R92-0670-0	CHIP R 0 OHM	T	
⚠ K1			S51-2094-05	MAGNETIC RELAY		
K2			S51-2093-05	MAGNETIC RELAY		4
K3			S51-2093-05	MAGNETIC RELAY	MXTEG	3
K3			S51-2093-05	MAGNETIC RELAY	M	2
K3			S51-2093-05	MAGNETIC RELAY	YMXTEG	4
⚠ K4			S51-1052-05	MAGNETIC RELAY		1
⚠ S1			S31-2322-05	SLIDE SWITCH 120-/220/230-	M	3
⚠ S1			S31-2322-05	SLIDE SWITCH 120-/220/230-	YM	4
⚠ S1			S31-2322-05	SLIDE SWITCH 120-/220/230-	M	2
⚠ D1			D3SBA20F03	DIODE		
⚠ D1			RBV-402LFA	DIODE		
⚠ D2			KBP02ML-6127	DIODE		
⚠ D3 -9			S5688B	DIODE		
⚠ D3 -9			1SR139-100	DIODE		
⚠ D10 ,11			HSS104A	DIODE		
⚠ D10 ,11			1SS131	DIODE		
⚠ D12 ,13			HZS5.6N(B2)	ZENER DIODE		
⚠ D12 ,13			RD5.6ES(B2)	ZENER DIODE		
⚠ D12 ,13			UZ-5.6BSB	ZENER DIODE		
D14 ,15			HZS13N(B2)	ZENER DIODE		
D14 ,15			RD13ES(B2)	ZENER DIODE		
D14 ,15			UZ-13BSB	ZENER DIODE		
D16			HZS16N(B2	ZENER DIODE		
D16			RD16ES(B2)	ZENER DIODE		
D16			UZ-16BSB	ZENER DIODE		4
D16			UZ-16BSB	ZENER DIODE	M	2
D16			UZ-16BSB	ZENER DIODE		3
D17 -19			HSS104A	DIODE		
D17 -19			1SS131	DIODE		
D20			HSS104A	DIODE		4
D20			1SS131	DIODE		4
D21			HSS104A	DIODE	YMXTEG	4
D21			HSS104A	DIODE	MXTEG	3
D21			HSS104A	DIODE	M	2
D21			1SS131	DIODE	YMXTEG	4
D21			1SS131	DIODE	MXTEG	3
D21			1SS131	DIODE	M	2
D22			MA111	DIODE		
D23 ,24			HSS104A	DIODE		
D23 ,24			1SS131	DIODE		
D25 ,26			HZS6.2N(B2)	ZENER DIODE		
D25 ,26			RD6.2ES(B2)	ZENER DIODE		
D25 ,26			UZ-6.2BSB	ZENER DIODE		
D28			HSS104A	DIODE		
D28			1SS131	DIODE		
D30 ,31			MA111	DIODE		
D32 ,33			HSS104A	DIODE		
D32 ,33			1SS131	DIODE		
D34			HZS6.2N(B2)	ZENER DIODE	M	3
D34			HZS6.2N(B2)	ZENER DIODE	M	2

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NO. 21

Ref. No.	Address	New Parts	Parts No.	Description	Destination	Remarks
D34			RD6.2ES(B2)	ZENER DIODE	M	3
D34			RD6.2ES(B2)	ZENER DIODE	M	2
D34			UZ-6.2BSB	ZENER DIODE	M	3
D34			UZ-6.2BSB	ZENER DIODE	M	2
D36 -39			HSS104A	DIODE		
D36 -39			1SS131	DIODE		
⚠ D40			HSS104A	DIODE		1
⚠ D40			1SS131	DIODE		1
⚠ D41			HZS8.2N(B2)	ZENER DIODE		
⚠ D41			RD8.2ES(B2)	ZENER DIODE		
⚠ D41			UZ-8.2BSB	ZENER DIODE		
D43 ,44			HSS104A	DIODE		
D43 ,44			1SS131	DIODE		
D45 ,46			HZS10N(B2)	ZENER DIODE	MXTEG	3
D45 ,46			HZS10N(B2)	ZENER DIODE	YMXTEG	4
D45 ,46			HZS10N(B2)	ZENER DIODE	M	2
D45 ,46			HZS30N(B)	ZENER DIODE	KRP	3 H
D45 ,46			HZS30N(B)	ZENER DIODE		1
D45 ,46			RD10ES(B2)	ZENER DIODE	MXTEG	3
D45 ,46			RD10ES(B2)	ZENER DIODE	YMXTEG	4
D45 ,46			RD10ES(B2)	ZENER DIODE	M	2
D45 ,46			RD30ES(B)	ZENER DIODE	KRP	3 H
D45 ,46			RD30ES(B)	ZENER DIODE		1
D45 ,46			UZ-10BSB	ZENER DIODE	KRPYMX	4
D45 ,46			UZ-10BSB	ZENER DIODE	M	2
⚠ D50			S5688B	DIODE		
⚠ D50			1SR139-100	DIODE		
⚠ D51			HSS104A	DIODE		
⚠ D51			1SS131	DIODE		
⚠ D60			S5688B	DIODE		
⚠ D60			1SR139-100	DIODE		
D61 -64			MA111	DIODE		
⚠ D65			S5688B	DIODE		
⚠ D65			1SR139-100	DIODE		
D603,604			HZS30N(B)	ZENER DIODE	KRP	3
D603,604			HZS30N(B)	ZENER DIODE	KRP	4
D603,604			HZS30N(B)	ZENER DIODE		1
D603,604			RD30ES(B)	ZENER DIODE	KRP	3
D603,604			RD30ES(B)	ZENER DIODE	KRP	4
D603,604			RD30ES(B)	ZENER DIODE		1
IC1			NJU7313AM	ANALOGUE IC		
IC2			NJM4565M	IC(OP AMP X2)		
IC3			NJM4565D-D	IC(OP AMP X2)		
IC3			XRA15218-DX	IC(OP AMP X2)		
IC7			NJM4565MD	IC(OP AMP X2)		
IC8			M65844P	DI BI-POLAR IC	M	3
IC8			M65844P	DI BI-POLAR IC	M	2
IC10			BU4066BCF	IC(ANALOG SWITCH X4)	M	3
IC10			BU4066BCF	IC(ANALOG SWITCH X4)	M	2
IC11			BU4094BCF	MOS-IC		
IC12			TDA7345D	ANALOGUE IC		
* IC14			TA78052S	IC(VOLTAGE REGULATOR/+5.75V)		
IC15			NJM4565M	IC(OP AMP X2)		
Q9 ,10			2SC4137(V,W)	TRANSISTOR		
⚠ Q11 ,12			2SD2493	TRANSISTOR		

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NO. 22

Ref. No.	Address	New Parts	Parts No.	Description	Destination	Remarks
⚠ Q13 ,14			2SB1624	TRANSISTOR		
Q15 ,16			2SC1740S(Q,R)	TRANSISTOR		
Q15 ,16			2SC2458(Y,GR)	TRANSISTOR		
Q15 ,16			2SC2785(F,E)	TRANSISTOR		
Q15 ,16			2SC3311A(Q,R)	TRANSISTOR		
Q17 ,18			2SC4081(R,S)	TRANSISTOR		
Q19			2SC3246	TRANSISTOR	MXTEG	3
Q19			2SC3246	TRANSISTOR	YMXTEG	4
Q19			2SC3246	TRANSISTOR	M	2
⚠ Q20			2SD1893	TRANSISTOR		
Q21			2SC4081(R,S)	TRANSISTOR		
Q22			2SC1740S(Q,R)	TRANSISTOR		
Q22			2SC2458(Y,GR)	TRANSISTOR		
Q22			2SC2785(F,E)	TRANSISTOR		
Q22			2SC3311A(Q,R)	TRANSISTOR		
⚠ Q26 ,27			2SB1370	TRANSISTOR		
⚠ Q26 ,27			2SB1375	TRANSISTOR		
⚠ Q28			2SA954(L,K)	TRANSISTOR		
Q29			2SA1576(R,S)	TRANSISTOR		
Q30			3(L,K)	TRANSISTOR		
Q32			2SA1576(R,S)	TRANSISTOR		
Q33			2SC1740S(Q,R)	TRANSISTOR		
Q33			2SC2458(Y,GR)	TRANSISTOR		
Q33			2SC2785(F,E)	TRANSISTOR		
Q33			2SC3311A(Q,R)	TRANSISTOR		
Q34 ,35			DTC124EU	DIGITAL TRANSISTOR		
Q34 ,35			UN5212	TRANSISTOR		
Q41			3(L,K)	TRANSISTOR		4
Q43 ,44			2SC1845(F,E)	TRANSISTOR	MXTEG	3
Q43 ,44			2SC1845(F,E)	TRANSISTOR		4
Q43 ,44			2SC1845(F,E)	TRANSISTOR	M	2

CONTOL UNIT (X11-3600-00) : RXD-F42

C1 -4			CE04LW1V4R7M	ELECTRO	4.7UF	35WV	
C5 ,6			CE04LW1H2R2M	ELECTRO	2.2UF	50WV	
C11			CE04LW1H2R2M	ELECTRO	2.2UF	50WV	
C12 ,13			CK45FB1H102K	CERAMIC	1000PF	K	
C14			CK45FB1H332K	CERAMIC	3300PF	K	
C15			CK45FB1H102K	CERAMIC	1000PF	K	
C17			CK45FB1H152K	CERAMIC	1500PF	K	
C18			CE04LW1H2R2M	ELECTRO	2.2UF	50WV	
C21 -23			CQ93FMG1H683J	MYLAR	0.068UF	J	
C24 ,25			CC45FSL1H100D	CERAMIC	10PF	D	
C26			CE04LW1C470M	ELECTRO	47UF	16WV	
C28			CE04LW1H2R2M	ELECTRO	2.2UF	50WV	
C29			CK45FB1H152K	CERAMIC	1500PF	K	
C30			CK45FB1H561K	CERAMIC	560PF	K	
C32			CK45FB1H102K	CERAMIC	1000PF	K	
C34 ,35			CK45FB1H102K	CERAMIC	1000PF	K	
C36			CK45FB1H821K	CERAMIC	820PF	K	
C37			CE04LW1H2R2M	ELECTRO	2.2UF	50WV	
C38 -40			CQ93FMG1H104J	MYLAR	0.10UF	J	
C41 -43			CC45FSL1H101J	CERAMIC	100PF	J	
C44			CE04LW1C470M	ELECTRO	47UF	16WV	
C51			CE04LW1C470M	ELECTRO	47UF	16WV	

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NO. 23

Ref. No.	Address	New Parts	Parts No.	Description	Destination	Remarks
C52			CE04LW1C101M	ELECTRO 100UF 16WV		
C53 ,54			CQ93FMG1H104J	MYLAR 0.10UF J		
C56 ,57			CK45FF1H103Z	CERAMIC 0.010UF Z		
X1		*	L78-0626-05	RESONATOR (16M)		
⚠ R51			RD14NB2E100J	RD 10 J 1/4W		
D1			HZS6.2N(B2)	ZENER DIODE		
D1			RD6.2ES(B2)	ZENER DIODE		
D1			UZ-6.2BSB	ZENER DIODE		
IC1			M65840SP	MOS-IC		
IC2			XRU4052BC	MOS-IC		
IC3			NJM4565L-D	IC(OP AMP X2)		
⚠ IC4			TA7805S	IC(VOLTAGE REGULATOR/ +5V)		
⚠ IC4			UPC7805AHF	IC(VOLTAGE REGULATOR/ +5V)		
IC5 ,6			NJM4565L-D	IC(OP AMP X2)		
Q1			DTC124ES	DIGITAL TRANSISTOR		
Q1			UN4212	DIGITAL TRANSISTOR		
DISPLAY UNIT (X14-)						
D56 -60			B30-2462-05	LED(GRN)		
D61 -67		*	B30-2476-05	LED		
D69			B30-1291-05	LED	M	2
C2			C90-3258-05	ELECTRO 10UF 50WV		
C3			CK73FF1C105Z	CHIP C 1.0UF Z		
C4			CK73FB1H102K	CHIP C 1000PF K		
C5 ,6			CC73FSL1H101J	CHIP C 100PF J		
C7 ,8			C90-3253-05	ELECTRO 1.0UF 50WV		
C9			C90-3212-05	ELECTRO 47UF 6.3WV		
C10			C90-3253-05	ELECTRO 1.0UF 50WV		
C11			CK73FB1H103K	CHIP C 0.010UF K		
C12			CC73FCH1H180J	CHIP C 18PF J		
C13			CC73FCH1H220J	CHIP C 22PF J		
C16			CE04LW1V470M	ELECTRO 47UF 35WV		
C17			C91-0769-05	CERAMIC 0.010UF K		
C18			C90-3216-05	ELECTRO 330UF 6.3WV		
C20 ,21			CK73FB1H103K	CHIP C 0.010UF K		
C22			CK73FF1C105Z	CHIP C 1.0UF Z		
C23 ,24			CC73FSL1H561J	CHIP C 560PF J		
C25			CK73FF1C105Z	CHIP C 1.0UF Z		
C26 ,27			CK73FB1H222K	CHIP C 2200PF K		
C28			CK73FF1C105Z	CHIP C 1.0UF Z		
C29 ,30			CK73FB1E153K	CHIP C 0.015UF K		
C31			CK73FF1C105Z	CHIP C 1.0UF Z		
C32 ,33			CK73FB1E104K	CHIP C 0.10UF K		
C34			C90-3244-05	ELECTRO 10UF 35WV		
C35			CK73FB1E104K	CHIP C 0.10UF K		
C36 -38			CC73FSL1H470J	CHIP C 47PF J		
C301,302			CF92FV1H564J	MF-C 0.56UF J		3
C301,302			CF92FV1H564J	MF-C 0.56UF J		4
C301,302			CF92FV1H564J	MF-C 0.56UF J	M	2
C303,304			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		3
C303,304			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		4
C303,304			CE04LW1H2R2M	ELECTRO 2.2UF 50WV	M	2
C305,306			CC73FSL1H181J	CHIP C 180PF J		3

L: Scandinavia
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⚠ indicates safety critical components.

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NO. 24

Ref. No.	Address	New Parts	Parts No.	Description	Destination	Remarks
C305,306			CC73FSL1H181J	CHIP C 180PF J		4
C305,306			CC73FSL1H181J	CHIP C 180PF J	M	2
C307,308			CE04LW1V100M	ELECTRO 10UF 35WV		
C309,310			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C311,312			CK73FB1H102K	CHIP 1000PF K		
C313,314			CC73FSL1H470J	CHIP C 47PF J	XTEG	3
C313,314			CC73FSL1H470J	CHIP C 47PF J	XTEG	4
C315,316			CK45FB1H222K	CERAMIC 2200PF K	XTEG	3
C315,316			CK45FB1H222K	CERAMIC 2200PF K	XTEG	4
C317,318			CC45FSL1H101J	CERAMIC 100PF J	KRP	3
C317,318			CC45FSL1H101J	CERAMIC 100PF J	KRP	4
C317,318			CC45FSL1H101J	CERAMIC 100PF J		1
C317,318			CC45FSL1H221J	CERAMIC 220PF J	XTEG	3
C317,318			CC45FSL1H221J	CERAMIC 220PF J	XTEG	4
C317,318			CC45FSL1H680J	CERAMIC 68PF J	M	3
C317,318			CC45FSL1H680J	CERAMIC 68PF J	YM	4
C317,318			CC45FSL1H680J	CERAMIC 68PF J	M	2
C319,320			CE04LW1A101M	ELECTRO 100UF 10WV		
C321,322			CC73FSL1H681J	CHIP C 680PF J	M	3
C321,322			CC73FSL1H681J	CHIP C 680PF J	YM	4
C321,322			CC73FSL1H681J	CHIP C 680PF J	M	2
C321,322			CK73FB1H102K	CHIP C 1000PF K	KRP	3
C321,322			CK73FB1H102K	CHIP C 1000PF K	KRP	4
C321,322			CK73FB1H102K	CHIP 1000PF K		1
C321,322			CK73FB1H152K	CHIP C 1500PF K	XTEG	3
C321,322			CK73FB1H152K	CHIP C 1500PF K	XTEG	4
C331,332			CE04LW1C470M	ELECTRO 47UF 16WV		
C333			CE04HW1H2R2M	NP-ELEC 2.2UF 50WV		
C334			CE04LW1H101M	ELECTRO UF 50WV		
CN1			E40-4796-05	PIN ASSY		
CN2		*	E40-4857-05	PIN ASSY		
CN301,302			E40-4810-05	SOCKET FOR PIN ASSY		
		*	J19-3759-13	HOLDER	M	2
		*	J19-3782-03	HOLDER		1
-		*	J19-3782-03	HOLDER		
X1			L77-2111-05	CRYSTAL RESONATOR(32.768kHz)		
X2			L78-0605-05	RESONATOR (8.38MHz)		
CP1			R90-0803-05	MULTI-COMP 100KX7 J 1/4W		
CP2			R90-0864-05	MULTI-COMP 100KX14		
CP3			R90-0820-05	MULTI-COMP 47K X12		
R3			RK73FB2A202J	CHIP R 2.0K J 1/10W		
R7			RK73FB2A101J	CHIP R J 1/10W		
R12			RK73FB2A101J	CHIP R J 1/10W		
R13 -15			RK73FB2A101J	CHIP R J 1/10W		4
R17 ,18			RK73FB2A101J	CHIP R J 1/10W		
R28 -31			RK73FB2A101J	CHIP R J 1/10W		
R48			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R50			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R51			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R52			RK73FB2A103J	CHIP R 10K J 1/10W		
R53			RK73FB2A104J	CHIP R 100K J 1/10W		
R54 ,55			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R67 -72			RK73FB2A104J	CHIP R 100K J 1/10W		

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PARTS LIST

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NO. 25

Ref. No.	Address	New Parts	Parts No.	Description			Destination	Remarks
R74			RK73FB2A104J	CHIP R	100K	J 1/10W		
R75			RK73FB2A473J	CHIP R	47K	J 1/10W		
R76			RK73FB2A101J	CHIP R	100	J 1/10W		
R79			RK73FB2A474J	CHIP R	470K	J 1/10W		
R80			RK73FB2A475K	CHIP R	4.7M	K 1/10W		
R81 ,82			RK73FB2A101J	CHIP R	100	J 1/10W		
R84			RK73FB2A101J	CHIP R	100	J 1/10W		
R85 -87			RK73FB2A103J	CHIP R	10K	J 1/10W		
R91 ,92			RK73FB2A102J	CHIP R	1.0K	J 1/10W		
R93			RK73FB2A302J	CHIP R	3.0K	J 1/10W		
R95 ,96			RK73FB2A103J	CHIP R	10K	J 1/10W		
R97 -103			RK73FB2A102J	CHIP R	1.0K	J 1/10W		
R106			RK73FB2A101J	CHIP R	100	J 1/10W		
R121			RK73FB2A223J	CHIP R	22K	J 1/10W		
R123			RK73FB2A223J	CHIP R	22K	J 1/10W		
R125			RK73FB2A223J	CHIP R	22K	J 1/10W		
R127			RK73FB2A223J	CHIPR	22K	J 1/10W		
R129			RK73FB2A223J	CHIPR	22K	J 1/10W		
R131			RK73FB2A223J	CHIPR	22K	J 1/10W		
R133			RK73FB2A223J	CHIPR	22K	J 1/10W		
R134			RK73FB2A103J	CHIPR	10K	J 1/10W		
R135			RK73FB2A223J	CHIPR	22K	J 1/10W		
R136			RK73FB2A103J	CHIPR	10K	J 1/10W		
R137			RK73FB2A223J	CHIPR	22K	J 1/10W		
R138			RK73FB2A103J	CHIPR	10K	J 1/10W		
R139			RK73FB2A223J	CHIPR	22K	J 1/10W		
R141			RK73FB2A223J	CHIPR	22K	J 1/10W		
R143			RK73FB2A223J	CHIPR	22K	J 1/10W		
R145			RK73FB2A223J	CHIPR	22K	J 1/10W		
R147			RK73FB2A223J	CHIPR	22K	J 1/10W		
R148			RK73EB2B103J	CHIPR	10K	J 1/8W		
R149			RK73FB2A223J	CHIPR	22K	J 1/10W		
R150			RK73FB2A103J	CHIPR	10K	J 1/10W		
R152			RK73FB2A223J	CHIPR	22K	J 1/10W	M	3
R152			RK73FB2A223J	CHIPR	22K	J 1/10W	YM	4
R152			RK73FB2A223J	CHIPR	22K	J 1/10W	M	
R154			RK73FB2A364J	CHIPR	360K	J 1/10W		
R155,156			RK73FB2A472J	CHIPR	4.7K	J 1/10W		
R157			RK73FB2A364J	CHIPR	360K	J 1/10W		
R158			RK73FB2A472J	CHIPR	4.7K	J 1/10W		
R159			RK73FB2A364J	CHIPR	360K	J 1/10W		
R164			RK73FB2A364J	CHIPR	360K	J 1/10W		
R165,166			RK73FB2A472J	CHIPR	4.7K	J 1/10W		
R167			RK73FB2A364J	CHIPR	360K	J 1/10W		
R168			RK73FB2A472J	CHIPR	4.7K	J 1/10W		
R169,170			RK73FB2A364J	CHIPR	360K	J 1/10W		
R171,172			RK73FB2A472J	CHIPR	4.7K	J 1/10W		
R173			RK73FB2A364J	CHIPR	360K	J 1/10W		
R174			RK73FB2A472J	CHIPR	4.7K	J 1/10W		
R175,176			RK73FB2A364J	CHIPR	360K	J 1/10W		
R177,178			RK73FB2A472J	CHIPR	4.7K	J 1/10W		
R179			RK73FB2A364J	CHIPR	360K	J 1/10W		
R180			RK73FB2A362J	CHIPR	3.6K	J 1/10W		
R181			RK73FB2A364J	CHIPR	360K	J 1/10W		
R194			RK73FB2A104J	CHIPR	100K	J 1/10W		

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Y:AAFES(Europe) **X:** Australia **M:** Other Areas

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NO. 26

Ref. No.	Address	New Parts	Parts No.	Description			Destination	Remarks
R301			RK73FB2A101J	CHIP R	100	J 1/10W		
R307,308			RK73FB2A101J	CHIP R	100	J 1/10W		3
R307,308			RK73FB2A101J	CHIP R	100	J 1/10W		4
R307,308			RK73FB2A101J	CHIP R	100	J 1/10W	M	2
R309,310			RK73FB2A301J	CHIP R	300	J 1/10W		3
R309,310			RK73FB2A301J	CHIP R	300	J 1/10W		4
R309,310			RK73FB2A301J	CHIP R	300	J 1/10W	M	2
R311,312			RK73FB2A471J	CHIP R	470	J 1/10W		3
R311,312			RK73FB2A471J	CHIP R	470	J 1/10W		4
R311,312			RK73FB2A471J	CHIP R	470	J 1/10W	M	2
R313,314			RK73FB2A152J	CHIP R	1.5K	J 1/10W		3
R313,314			RK73FB2A152J	CHIP R	1.5K	J 1/10W		4
R313,314			RK73FB2A152J	CHIP R	1.5K	J 1/10W	M	2
R315,316			RK73FB2A103J	CHIP R	10K	J 1/10W		
R317,318			RK73FB2A102J	CHIP R	1.0K	J 1/10W		
R319			RK73FB2A152J	CHIP R	1.5K	J 1/10W		
R321			RK73FB2A152J	CHIP R	1.5K	J 1/10W		
R325,326			RK73FB2A103J	CHIP R	10K	J 1/10W		
R327,328			RK73FB2A102J	CHIP R	1.0K	J 1/10W		
⚠ R340,341			RD14NB2E470J	RD	47	J 1/4W		
R347			RD14NB2E101J	RD	100	J 1/4W		
R351,352			RK73FB2A104J	CHIP R	100K	J 1/10W		
W202,203			R92-0670-05	CHIP R	0 OHM			
W205			R92-0670-05	CHIP R	0 OHM			
W207			R92-0679-05	CHIP R	0 OHM			
W209			R92-0670-05	CHIP R	0 OHM			
W210			R92-0679-05	CHIP R	0 OHM			
W215			R92-0670-05	CHIP R	0 OHM			
W216,217			R92-0679-05	CHIP R	0 OHM			
W223			R92-0670-05	CHIP R	0 OHM			
W225			R92-0670-05	CHIP R	0 OHM			
W401,402			R92-0670-05	CHIP R	0 OHM			1
S1-8			31-05	TACT	SWITCH			3
S9			31-05	TACT	SWITCH			4
S9			31-05	TACT	SWITCH		M	2
S10			31-05	TACT	SWITCH			1
S11			31-05	TACT	SWITCH			4
S11			31-05	TACT	SWITCH		M	2
S12			31-05	TACT	SWITCH			3
S13			31-05	TACT	SWITCH			4
S13			31-05	TACT	SWITCH		M	2
S14-32			31-05	TACT	SWITCH			1
S33			T99-0559-05	ROTARY ENCODER VOLUME CONTROL				
D1-15			HSS104A	DIODE				
D1-15			1SS131	DIODE				
D16			MA111	DIODE			M	3
D16			MA111	DIODE			YM	4
D16			MA111	DIODE			M	2
D17			HSS104A	DIODE			XTEG	4
D17			HSS104A	DIODE			XTEG	3
D17			1SS131	DIODE			XTEG	4
D17			1SS131	DIODE			XTEG	3
D18			HSS104A	DIODE			KRPM	3

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NO. 27

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
D18			1SS131	DIODE	KRPM	3
D18 ,19			HSS104A	DIODE		1
D18 ,19			HSS104A	DIODE	M	2
D18 ,19			1SS131	DIODE		1
D18 ,19			1SS131	DIODE	M	2
D19			HSS104A	DIODE	EG	4
D19			1SS131	DIODE	EG	4
D20			HSS104A	DIODE	T	4
D20			HSS104A	DIODE	T	3
D20			1SS131	DIODE	T	4
D20			1SS131	DIODE	T	3
D21			HSS104A	DIODE	MXEG	3
D21			HSS104A	DIODE	YMXEG	4
D21			HSS104A	DIODE	M	2
D21			1SS131	DIODE	MXEG	3
D21			1SS131	DIODE	YMXEG	4
D21			1SS131	DIODE	M	2
D22			MA111	DIODE	M	3
D22			MA111	DIODE	YM	4
D22			MA111	DIODE	M	2
D23			HSS104A	DIODE	XEG	3
D23			HSS104A	DIODE	XEG	4
D23			1SS131	DIODE	XEG	3
D23			1SS131	DIODE	XEG	4
D24 -27			MA111	DIODE		
D28 -39			HSS104A	DIODE		
D28 -39			1SS131	DIODE		
D40 -43			MA111	DIODE		
D44			HSS104A	DIODE		
D44			1SS131	DIODE		
D50 -55			HSS104A	DIODE		
D50 -55			1SS131	DIODE		
D68			HZS5.1N(B2)	ZENER DIODE		
D68			RD5.1ES(B2)	ZENER DIODE		
D68			UZ-5.1BSB	ZENER DIODE		4
D68			UZ-5.1BSB	ZENER DIODE	M	2
D72			HSS104A	DIODE		
D72			1SS131	DIODE		
D73 ,74			MA111	DIODE		
D75 -80			HSS104A	DIODE		
D75 -80			1SS131	DIODE		
D301			HZS3.9N(B2)	ZENER DIODE		
D301			RD3.9ES(B2)	ZENER DIODE		
D301			UZ-3.9BSB	ZENER DIODE		4
D301			UZ-3.9BSB	ZENER DIODE	M	2
ED1		*	BJ344GK	INDICATOR TUBE		
ED1		*	FIP8AMW6R	INDICATOR TUBE		
IC1		*	M38198MC-053FP	MI-COM IC		
IC2		*	NJU3718G	MOS-IC		
IC3		*	PST993D-T	ANALOGUE IC		
IC3			S-806D-Z	ANALOGUE IC		
IC4 ,5			NJM4565D	IC(OP AMP X2)		
IC301			NJM4565D-D	IC(OP AMP X2)		
Q1 -8			2SC4081	TRANSISTOR		
Q9 -24			2SA1576	TRANSISTOR	M	3

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NO. 28

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
Q9 -24			2SA1576	TRANSISTOR	YM	4
Q9 -24			2SA1576	TRANSISTOR	M	2
Q10 -24			2SA1576	TRANSISTOR		3
Q10 -24			2SA1576	TRANSISTOR		4
Q10 -24			2SA1576	TRANSISTOR		1
Q301,302			2SC1845(F,E)	TRANSISTOR		3
Q301,302			2SC1845(F,E)	TRANSISTOR		4
Q301,302			2SC1845(F,E)	TRANSISTOR	M	2
Q303-306			2SC2878(B)	TRANSISTOR		
Q307-310			2SC1845(F,E)	TRANSISTOR		
Q311,312			2SA992(F,E)	TRANSISTOR		
Q313			2SA1048(Y,GR)	TRANSISTOR		
Q313			2SA1175(F,E)	TRANSISTOR		
Q313			2SA1309A(Q,R)	TRANSISTOR		
Q313			2SA933S(Q,R)	TRANSISTOR		
A1			W02-1174-05	ELECTRIC CIRCUIT MODULE		
A1			W02-1191-05	ELECTRIC CIRCUIT MODULE		

RECORD/ PLAY BACK UNIT (X28-)

C1 ,2			CK45FB1H681K	CERAMIC	680PF	K	
C3 ,4			CE04LW1V100M	ELECTRO	10UF	35WV	
C5 ,6			CK45FB1H391K	CERAMIC	390PF	K	
C7 ,8			CE04LW1C470M	ELECTRO	47UF	16WV	
C9 ,10			CQ93FMG1H153J	MYLAR	0.015UF	J	
C11 ,12			CK45FB1H222K	CERAMIC	2200PF	K	
C13 -16			CC45FSL1H221J	CERAMIC	220PF	J	
C19 ,20			CK45FB1H681K	CERAMIC	680PF	K	
C21 ,22			CE04LW1V100M	ELECTRO	10UF	35WV	
C23 ,24			CK45FB1H391K	CERAMIC	390PF	K	
C25 ,26			CE04LW1C470M	ELECTRO	47UF	16WV	
C27 ,28			CQ93FMG1H223J	MYLAR	0.022UF	J	
C29 ,30			CK45FB1H682K	CERAMIC	6800PF	K	
C31 ,32			CE04LW1HR47M	ELECTRO	0.47UF	50WV	
C33 ,34			CQ93FMG1H333J	MYLAR	0.033UF	J	
C35 ,36			CK45FB1H222K	CERAMIC	2200PF	K	
C37 -40			CE04LW1H010M	ELECTRO	1.0UF	50WV	
C41 ,42			CQ93FMG1H393J	MYLAR	0.039U	F J	
C43 ,44			CE04LW1H0R1M	ELECTRO	0.1UF	50WV	
C45 ,46			CE04LW1V100M	ELECTRO	10UF	35WV	
C47 ,48			CE04LW1HR47M	ELECTRO	0.47UF	50WV	
C49 ,50			CE04LW1H010M	ELECTRO	1.0UF	50WV	
C51 ,52			CE04LW1A101M	ELECTRO	100UF	10WV	
C53 ,54			CE04LW1H2R2M	ELECTRO	2.2UF	50WV	
C55 ,56			C91-1436-05	FILM	220PF	J	
C57 ,58			C91-1434-05	FILM	150PF	J	
C59 -62			CK45FF1H223Z	CERAMIC	0.022UF	Z	
C63 ,64			CK45FB1H561K	CERAMIC	560PF	K	
C65 ,66			CK45FF1H103Z	CERAMIC	0.010UF	Z	
C101			CE04LW1H010M	ELECTRO	1.0UF	50WV	
C102			CE04LW1C220M	ELECTRO	22UF	16WV	
C103			CE04LW1C101M	ELECTRO	100UF	16WV	
C104			CE04LW1H0R1M	ELECTRO	0.1UF	50WV	
C105			CQ93FMG1H103J	MYLAR	0.010UF	J	
C106			CK45FB2H471K	CERAMIC	470PF	K	
C107			CQ93HP2A103J	MYLAR	0.010UF	J	

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NO. 29

Ref. No.	Address	New Parts	Parts No.	Description	Destination	Remarks
C108			CC45FSL2H100D	CERAMIC 10PF D		
C109			CE04LW1V100M	ELECTRO 10UF 35WV		
C110			CQ93FMG1H103J	MYLAR 0.010UF J		
C111,112			CQ93FMG1H562J	MYLAR 5600PF J		
C113			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C114,115			CK45FF1H103Z	CERAMIC 0.010UF Z		
C116,117			CE04LW1C101M	ELECTRO 100UF 16WV		
C118			CK45FF1H103Z	CERAMIC 0.010UF Z		
C119			CC45FSL1H271J	CERAMIC 270PF J		
C120			CC45FSL1H271J	CERAMIC 270PF J		
CN1			E40-3247-05	PIN ASSY		
CN2			E40-3249-05	PIN ASSY		
CN3 ,4			E40-4609-05	PIN ASSY		
CN5			E40-0512-05	PIN ASSY		
CN6			E40-4804-05	SOCKET FOR PIN ASSY		
L1 -4			L40-1035-20	SMALL FIXED INDUCTOR(10MH,J)		
L5 ,6			L79-1201-05	LC FILTER		
L7 ,8			L32-0547-05	BIAS OSCILATING COIL		
L9			L32-0570-05	BIAS OSCILATING COIL		
⚠ R120			RD14NB2E100J	RD 10 J 1/4W		
⚠ R165			RD14NB2E100J	RD 10 J 1/4W		
VR1 ,2			R12-0606-05	TRIMMING POT.(330)		
VR3 ,4			R12-0605-05	TRIMMING POT.(220)		
VR7 ,8			R12-1619-05	TRIMMING POT.(4.7K)		
VR52			R12-1619-05	TRIMMING POT.(4.7K)		
K1			S51-2089-05	MAGNETIC RELAY		
K1			18-05	MAGNETIC RELAY		
D1 ,2			HSS104	DIODE		
D1 ,2			1SS133	DIODE		
D4 -6			HSS104	DIODE		
D4 -6			1SS133	DIODE		
D7			RD2.7ES(B2)	ZENER DIODE		
D7			UZ-2.7BSB	ZENER DIODE		
D8			HSS104	DIODE		
D8			1SS133	DIODE		
IC1 ,2			TA8125S	IC(2CH PRE AMP)		
IC3			HA12182F	ANALOGUE IC		
IC4			UPC1297CA	IC(DOL HX PRO SYSTEM)		
IC5			BA10393	IC(DUAL COMPALATOR)		
IC6 ,7			BU4094BC	MOS-IC		
Q1 ,2			DTC124ES	DIGITAL TRANSISTOR		
Q1 ,2			UN4212	TRANSISTOR		
Q3 ,4			2SD1302(S,T)	TRANSISTOR		
Q3 ,4			2SD1450(S,T)	TRANSISTOR		
Q51			DTC124ES	DIGITAL TRANSISTOR		
Q51			UN4212	TRANSISTOR		
Q52			2SC1740S(Q,R)	TRANSISTOR		
Q52			2SC2458(Y,GR)	TRANSISTOR		
Q52			2SC2785(F,E)	TRANSISTOR		
Q52			2SC3311A(Q,R)	TRANSISTOR		
Q53			DTA124ES	DIGITAL TRANSISTOR		
Q53			UN4112	TRANSISTOR		
Q54 ,55			2SC1845(F,E)	TRANSISTOR		

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Ref. No.	Address	New Parts	Parts No.	Description	Destination	Remarks
Q56 ,57			2SC1740S(Q,R)	TRANSISTOR		
Q56 ,57			2SC2458(Y,GR)	TRANSISTOR		
Q56 ,57			2SC2785(F,E)	TRANSISTOR		
Q56 ,57			2SC3311A(Q,R)	TRANSISTOR		
⚠ Q58			2SC3940A(R,S)	TRANSISTOR		
Q59			2SC1740S(Q,R)	TRANSISTOR		
Q59			2SC2458(Y,GR)	TRANSISTOR		
Q59			2SC2785(F,E)	TRANSISTOR		
Q59			2SC3311A(Q,R)	TRANSISTOR		
Q60			2SA992(F,E)	TRANSISTOR		
Q61			DTC124ES	DIGITAL TRANSISTOR		
Q61			UN4212	TRANSISTOR		
Q63 -65			2SC3246	TRANSISTOR		

CD PLAYER UNIT (X32-)

C1			CQ93FMG1H103J	MYLAR 0.010UF J		
C2			CQ93FMG1H472J	MYLAR 4700PF J		
C3			CC45FSL1H470J	CERAMIC 47PF J		
C4			CF92FV1H474J	MF-C 0.47UF J		
C5			CE04LW1A101	M ELECTRO 10UF 10WV		
C6			CQ93FMG1H104J	MYLAR 0.10UF J		
C7			CE04HW1H2R2M	NP-ELEC 2.2UF 50WV		
C8			CQ93FMG1H104J	MYLAR 0.10UF J		
C9			CQ93FMG1H333J	MYLAR 0.033UF J		
C10			CC45FSL1H101J	CERAMIC 100PF J		
C11			CQ93FMG1H102J	MYLAR 1000PF J		
C12			CC45FSL1H221J	CERAMIC 220PF J		
C13			CQ93FMG1H473J	MYLAR 0.047UF J		
C14			CE04LW1V100M	ELECTRO 10UF 35WV		
C15			CE04HW1E100M	NP-ELEC 10UF 25WV		
C16 -18			CQ93FMG1H103J	MYLAR 0.010UF J		
C19			CQ93FMG1H333J	MYLAR 0.033UF J		
C20			CE04LW0J331M	ELECTRO 330UF 6.3WV		
C21			CK45FF1H103Z	CERAMIC 0.010UF Z		
C22			CE04LW1A101M	ELECTRO 10UF 10WV		
C23			CF92FV1H224J	MF-C 0.22UF J		
C24 ,25			CE04LW1A101M	ELECTRO 100UF 10WV		
C26			CC45FSL1H270J	CERAMIC 27PF J		
C27			CQ93FMG1H222J	MYLAR 2200PF J		
C28			CQ93FMG1H333J	MYLAR 0.033UF J		
C29			CQ93FMG1H103J	MYLAR 0.010UF J		
C30			CQ93FMG1H222J	MYLAR 2200PF J		
C35 ,36			CE04HW1H010M	NP-ELEC 1.0UF 50WV		
C37			CE04LW1A470M	ELECTRO 47UF 10WV		
C38			CQ93FMG1H332J	MYLAR 3300PF J		
C39			CK45FF1H103Z	CERAMIC 0.010UF Z		
C40			CQ93FMG1H473J	MYLAR 0.047UF J		
C41			CQ93FMG1H152J	MYLAR 1500PF J		
C42			CQ93FMG1H103J	MYLAR 0.010UF J		
C43			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C45			CE04LW0J331M	ELECTRO 330UF 6.3WV		
C46			CE04LW1A470M	ELECTRO 47UF 10WV		
C55			CE04LW0J331M	ELECTRO 330UF 6.3WV		
C56			CE04LW1A331M	ELECTRO 330UF 10WV		
C57 ,58			CC45FSL1H221J	CERAMIC 220PF J		

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Ref. No.	Address	New Parts	Parts No.	Description	Destination	Remarks
C59 -62			CQ93FMG1H391K	MYLAR 390PF K		
C63 ,64			CQ93FMG1H222J	MYLAR 2200PF J		
C65 ,66			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C67			CE04LW1A101M	ELECTRO 100UF 10WV		
C68 ,69			CE04LW1A471M	ELECTRO 470UF 10WV		
C70			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C71			CE04LW1A470M	ELECTRO 47UF 10WV		
C72			CE04LW1C470M	ELECTRO 47UF 16WV		
C73			CK45FF1H223Z	CERAMIC 0.022UF Z		
C74 ,75			CE04LW1V100M	ELECTRO 10UF 35WV		
C76			CC45FSL1H331J	CERAMIC 330PF J		
C77			CC45FSL1H271J	CERAMIC 270PF J		
C79 -82			CK45FF1H223Z	CERAMIC 0.022UF Z		
CN1	1I		E40-4856-05	FLAT CABLE CONNCTOR		
CN2			E40-0711-05	PIN ASSY		
CN3			E40-4377-05	PIN ASSY		
CN4			E40-4763-05	PIN ASSY		
CN5			E40-3247-05	PIN ASSY		
CN6			E40-4762-05	PIN ASSY		
CN7	1J		E40-4173-05	FLAT CABLE CONNCTOR		
			J11-0098-05	WIRE CLAMPER		
L1			L40-1001-17	SMALL FIXED INDUCTOR(10UH,K)		
X1			L78-0299-05	RESONATOR (16.93M)		
VR1			R12-3688-05	TRIMMING POT.(47K)		
VR3			R12-3685-05	TRIMMING POT.(10K)		
VR4			R12-3687-05	TRIMMING POT.(33K)		
D1 -6			HSS104	DIODE		
D1 -6			1SS133	DIODE		
D7			HZS3.3N(B2)	ZENER DIODE		
D7			MTZJ3.3(B)	ZENER DIODE		
D7			RD3.3ES(B2)	ZENER DIODE		
D10 ,11			HSS104	DIODE		
D10 ,11			1SS133	DIODE		
IC1			CXA1782BQ	MOS-IC		
IC2		*	CXD2508AQ	MOS-IC		
IC3			BA6398FP	ANALOGUE IC		
IC4 ,5			TA8409S	IC(MOTOR CONTROL)		
IC6		*	BU4094BC	MOS-IC		
IC7			NJM2100D	ANALOGUE IC		
IC8			M5237L	ANALOGUE IC		
Q1			2SC1740S(Q,R)	TRANSISTOR		
Q1			2SC2458(Y,GR)	TRANSISTOR		
Q1			2SC2785(F,E)	TRANSISTOR		
Q1			2SC3311A(Q,R)	TRANSISTOR		
Q2			2SA954(L,K)	TRANSISTOR		
Q3			DTA124ES	DIGITAL TRANSISTOR		
Q3			UN4112	TRANSISTOR		
Q4			2SA954(L,K)	TRANSISTOR		
Q5			2SC1740S(Q,R)	TRANSISTOR		
Q5			2SC2458(Y,GR)	TRANSISTOR		
Q5			2SC2785(F,E)	TRANSISTOR		
Q5			2SC3311A(Q,R)	TRANSISTOR		

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NO. 32

Ref. No.	Address	New Parts	Parts No.	Description	Destination	Remarks
⚠ Q6			2SA1534A(R,S)	TRANSISTOR		
Q7			DTC124ES	DIGITAL TRANSISTOR		
Q7			UN4212	TRANSISTOR		
Q8			2SB1375	TRANSISTOR		
Q8			2SB1565(E,F)	TRANSISTOR		
Q9 ,10			2SA1048(Y,GR)	TRANSISTOR		
Q9 ,10			2SA1175(F,E)	TRANSISTOR		
Q9 ,10			2SA1309A(Q,R)	TRANSISTOR		
Q9 ,10			2SA933S(Q,R)	TRANSISTOR		
Q11 ,12			2SC2878(B)	TRANSISTOR		
CD MECHANISM (D40-1412-08)						
101	3B		A10-3119-08	CHASSIS (MAIN)		
102	3A	*	A15-0089-08	FRAME (MD-B)		
105	2A	*	D10-3533-08	SLIDER (LIFT)		
107	2B		D10-3459-08	LEVER (LOCK)		
108	2A		D10-3460-08	LEVER (BRAKE)		
109	2B		D10-3496-08	FRICTION ARM ASSY		
110	2A		D10-3606-08	FEED SHAFT		
113	1A		D13-1599-08	GEAR (IDLER)		
114	2B		D13-1600-08	GEAR (LOAD)		
115	2B		D13-1601-08	GEAR (CENTER)		
117	3A		D13-1603-08	CAM GEAR(UP/DOWN)		
118	1A		D13-1604-08	GEAR (HELICAL)		
119	2A		D13-1720-08	GEAR		
120	2B,3B		D14-0361-08	ROLLER (TRAY)		
122	2B		D15-0366-08	PULLEY (LOAD)		
123	2B		D16-0363-08	DRIVE BELT		
125	2B		D21-1762-08	SHAFT (PULLEY)		
132	1B,2B		E35-0811-08	3P WIRE		
133	1B,3B	*	E35-1184-08	6P WIRE		
134	2A,1B	*	E35-1185-08	6P FLAT WIRE		
135	3A,1B	*	E35-1186-08	6P WIRE (TU-D)		
136	3A,1B	*	E35-1187-08	16P FFC		
137	3A		E40-3264-05	CONNECTOR		
140	1A		F07-0732-08	COVER (TRAY)		
141	2B		F07-0736-08	COVER		
145	3A	*	G01-3806-08	SPRING (MD-G)		
146	3A	*	G01-3807-08	SPRING (MD-H)		
148	3A		G01-3663-08	SPRING (CAM)		
149	2B		G01-3664-08	SPRING (LOCK)		
150	2A		G01-3665-08	SPRING (BRAKE)		
151	2A		G01-3768-08	SPRING (LEFT)		
152	1A,1B		G16-0821-04	SHEET (TRAY)		
153	3B	*	G16-0856-08	FILAMENT TAPE		
155	2A	*	J02-1133-08	INSULATOR		
156	2B		J11-0301-08	CLAMPER		
157	1B	*	J19-3758-08	BRACKET (CLAMP)		
158	2B		J19-3660-08	BRACKET (GEAR)		
159	2B,3B		J19-3661-08	BRACKET (TRAY)		
160	3A		J61-0081-05	SK BINDER SKB-100		
161	1A		J99-0541-08	TRAY (SLIDE)		
162	1A		J99-0542-08	TRAY (ROTARY)		
L			N09-2658-08	SCREW		

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NO. 33

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
M			N09-3053-08	SCREW		
N			N09-3107-08	SCREW		
P			N09-3140-08	SCREW		
Q			N09-3141-08	SCREW		
165	2B		S33-2061-05	LEVER SWITCH		
166	1A,2A		15-08	LEVER SWITCH JPS1220-0201		
167	3A		38-08	LEAF SWITCH		
170	1B		T50-1055-04	YOKE		
171	1B		T99-0544-05	MAGNET		
DM	3A		A11-1082-08	TT CHASSIS ASSY		
FM	3A		T42-0817-08	MOTOR GEAR (FEED)		
LM	3B		T42-0682-08	MOTOR PULLEY ASSY		
PU	3A		41-05	PICKUP (KSS-213B/S-N)		
RTM	2B		T42-0683-08	MOTOR WORM ASSY		
CASSETTE DECK MECHANISM (D40-1427-08)						
401	2C,3D		A10-3174-08	HEAD CHASSIS		
403	1D,3E	✱	A10-3240-08	CHSSIS OUTSART ASSY		
404	1D,2E	✱	D01-0184-08	FLYWHEEL (LW) ASSY		
405	1E	✱	D01-0185-08	FLYWHEEL (A) ASSY		
406	2F	✱	D01-0186-08	FLYWHEEL (B) ASSY		
407	1C		D10-3468-08	INTER LOCK ARM (L)(A DECK)		
408	3F		D10-3469-08	INTER LOCK ARM (R)(B DECK)		
409	2D,3F		D10-3470-08	TRIGGER ARM		
410	2D,3F		D10-3471-08	HEAD CHANGE ARM		
412	1C		D10-3476-08	EJECT LEVER (L) (A DECK)		
413	3E		D10-3477-08	EJECT LEVER (R) (B DECK)		
414	2C,3D		D10-3478-08	SELET LEVER		
415	1D,2E		D10-3479-08	SHIFT LEVER		
416	2C,3D		D10-3480-08	C/R LEVER		
420	3C		D13-0981-08	ROTATION GEAR		
421	1C,2D		D13-1616-08	REW GEAR		
422	2C,2D		D13-1617-08	REEL GEAR		
423	1D,2F		D13-1618-08	IDLER GEAR		
424	3C,3D		D13-1621-08	RETURN GEAR		
425	1D,2E		D13-1622-08	CAM GEAR		
426	2D,3E		D14-0367-08	PINCH ARM (R) ASSY		
427	2C,3D		D14-0368-08	PINCH ARM (L) ASSY		
428	1D,2F		D15-0369-08	IDLER PULLEY		
429	2F	✱	D16-0393-08	DRIVE BELT (BW)		
430	1E	✱	D16-0392-08	DRIVE BELT (AW)		
431	1E	✱	D15-0387-08	PULLEY (A)		
432	1E,2F	✱	D16-0391-08	CLUTCH BELT		
433	2C,3D		D19-0270-18	REEL CAP (A)		
434	1C,1E		D19-0287-08	CLUTCH ARM ASSY		
439	1E,1F		E35-0396-08	15P FLAT RIBBON WIRE		
440	3C	✱	E35-1242-08	3P HEAD WIRE ASSY (A DECK)		
441	3C	✱	E35-1243-08	5P HEAD WIRE ASSY (B DECK)		
442	1F		E35-0986-08	MOTOR WIRE		
443	3C		G01-3790-08	EARTH SPRING (B)		
444	2D,3F		G01-3712-08	HEAD CHANGE ARM SP		
445	2C,3D		G01-3709-08	B.T SPRING		
446	1C,2D		G01-3710-08	SHIFT LEVER SP		
447	2D,3F		G01-3711-08	TRIGGER ARM SP		

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NO. 34

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
448	2E,3D		G01-3720-08	HEAD RETURN PLAY SP		
449	1C,3F		G01-3713-08	EJECT SP		
450	2C,3D		G01-3714-08	C/R LEVER SP		
451	2C,3D		G01-3715-08	SELECT LEVER SP		
452	2C,3D		G01-3716-08	SHIFT SP		
453	1C		G01-3717-08	INTER LOCK SP (L)		
454	3C,3D		G01-3718-08	RETURN SP		
455	3C,3D		G01-3719-08	FWD SP		
456	2D,3F		G01-3723-08	INTER LOCK SP (R)		
457	2C,3D		G01-3739-08	HEAD CHSSIS SP		
458	2D,3E		G01-3721-08	BRAKE SP (R)		
459	1C,2E		G01-3722-08	BRAKE SP (L)		
460	1C,2E		G01-3724-08	CLUTCH ARM SPRING (B)		
461	1D,2E		G01-3725-08	CLUTCH SP		
462	1C,2D		G02-0913-08	PACK SPRING		
463	3C		G02-1068-08	AZIMUTH SP (B)		
464	2C,3D	✱	G02-1071-08	LIFT BKT		
465	3C		G11-2100-08	HEAD WIRE CLAMP		
466	1D,2F		G11-2205-08	TUBE		
467	2D,3E		G16-0791-08	REFLECT SEAL		
469	3C		J21-6184-08	HEAD PLATE ASSY		
470	1E,2F		J19-3652-08	CABLE HOLDER		
471	2C,3D		J21-6135-08	HEAD RETURN PLATE		
472	1D	✱	J21-6307-08	BKT (B) ASSY		
473	2D	✱	J21-6308-08	MECHA BKT		
474	2C,3D		J42-0183-08	REEL BUSH		
475	2D,3E		J69-0086-08	FILAMENT TAPE		
476	3C,3D		J39-0188-08	HEAD BASE		
477	2C,3D		J90-0832-08	SHIFT SPRING GUIDE		
AA			N19-1316-08	POLY WASHER		
AB			N19-1354-08	POLY WASHER		
AC			N19-1288-08	POLY WASHER		
AD			N19-1355-08	NYLON WASHER		
AE			N19-1385-08	POLY WASHER		
AF			N19-1386-08	POLY WASHER		
AG			N19-1387-08	TEFRON WASHER		
AH			N19-1388-08	POLY WASHER		
AK			N19-1035-08	POLY WASHER		
AL		✱	N19-1396-08	POLY WASHER		
AM			N19-1384-08	POLY WASHER		
S			N09-1497-08	TAP TITE SCREW		
T			N09-2871-08	TAPPING SCREW		
U			N09-2876-08	HEAD SCREW (RVS)		
V			N09-3135-08	BIND TAP TITE SCREW		
W		✱	N09-3195-08	TAP TITE SCREW		
Y			N09-2901-08	BIND TAP TITE SCREW		
Z			N09-3112-08	AZIMUTH SCREW		
480	1E,2F		S74-0033-08	REC SWITCH		
481	1E,2F		S74-0042-08	PLAY SWITCH		
484	1E,2F		T94-0233-08	SOLENOID ASSY		
485	1E,2F		T95-0125-08	PHOTO INTERRUPTER		
MM	2F	✱	T42-0813-08	MOTOR ASSY		
PH	2C		T31-0066-08	PLAYBACK HEAD MK10P-AB215		
RPEH	3C		R/P ERASE	HEAD YK56R-AA405		

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